

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009033.D
 Acq On : 07 Mar 2019 11:46
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:07:10 PM

Quant Time: Mar 08 03:36:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	292338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	425365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	407991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	222406	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	55611	18.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.12%	
35) Dibromofluoromethane	7.88	113	49665	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	
50) Toluene-d8	10.32	98	191289	18.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.06%	
62) 4-Bromofluorobenzene	12.62	95	75332	18.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	64631	21.968	ug/l	97
3) Chloromethane	2.21	50	75775	20.468	ug/l	97
4) Vinyl Chloride	2.36	62	75612	19.893	ug/l	93
5) Bromomethane	2.76	94	66058	20.408	ug/l	95
6) Chloroethane	2.91	64	52704	19.395	ug/l	98
7) Trichlorofluoromethane	3.25	101	103393	21.295	ug/l	94
8) Diethyl Ether	3.68	74	29554	20.182	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	62725	20.772	ug/l	98
10) Methyl Iodide	4.26	142	53084	18.500	ug/l	100
11) Tert butyl alcohol	5.19	59	20693m	98.848	ug/l	
12) 1,1-Dichloroethene	4.03	96	54336	20.671	ug/l	94
13) Acrolein	3.90	56	24817	99.026	ug/l	99
14) Allyl chloride	4.67	41	92387	20.270	ug/l	98
15) Acrylonitrile	5.37	53	60948	92.292	ug/l	97
16) Acetone	4.14	43	61700	92.130	ug/l	98
17) Carbon Disulfide	4.37	76	178054	20.213	ug/l	100
18) Methyl Acetate	4.67	43	27933	18.147	ug/l	92
19) Methyl tert-butyl Ether	5.43	73	140943	20.337	ug/l	99
20) Methylene Chloride	4.92	84	69433	18.213	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	63102	20.783	ug/l	90
22) Diisopropyl ether	6.31	45	186048	20.269	ug/l	97
23) Vinyl Acetate	6.26	43	574410	100.396	ug/l	99
24) 1,1-Dichloroethane	6.21	63	108831	20.446	ug/l	97
25) 2-Butanone	7.18	43	85715	94.287	ug/l	99
26) 2,2-Dichloropropane	7.17	77	98688	20.291	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	67214	20.784	ug/l	99
28) Bromochloromethane	7.51	49	42064	19.094	ug/l	99
29) Tetrahydrofuran	7.53	42	53698	92.130	ug/l	97
30) Chloroform	7.68	83	111649	20.526	ug/l	95
31) Cyclohexane	7.95	56	109664	20.248	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	103752	20.713	ug/l	99
36) 1,1-Dichloropropene	8.08	75	92747	21.073	ug/l	97
37) Ethyl Acetate	7.25	43	39428	19.069	ug/l #	97
38) Carbon Tetrachloride	8.07	117	94139	20.639	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009033.D
 Acq On : 07 Mar 2019 11:46
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:07:10 PM

Quant Time: Mar 08 03:36:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	107165	20.330	ug/l	95
40) Benzene	8.32	78	241001	20.594	ug/l	100
41) Methacrylonitrile	7.48	41	19958	18.316	ug/l	93
42) 1,2-Dichloroethane	8.40	62	75047	19.679	ug/l	98
43) Isopropyl Acetate	8.43	43	73393	18.976	ug/l	98
44) Trichloroethene	9.09	130	69322	21.070	ug/l	89
45) 1,2-Dichloropropane	9.37	63	59985	20.605	ug/l	98
46) Dibromomethane	9.46	93	32415	20.047	ug/l	97
47) Bromodichloromethane	9.64	83	82155	20.159	ug/l	99
48) Methyl methacrylate	9.44	41	35010	19.196	ug/l	97
49) 1,4-Dioxane	9.46	88	8325	350.709	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	183927	93.301	ug/l	99
52) Toluene	10.39	92	156645	19.625	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	80989	19.984	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	94451	20.426	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	43682	19.936	ug/l	95
56) Ethyl methacrylate	10.65	69	49661	18.075	ug/l	97
57) 1,3-Dichloropropane	10.93	76	77937	20.037	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	142712	99.971	ug/l	98
59) 2-Hexanone	10.97	43	126860	91.151	ug/l	99
60) Dibromochloromethane	11.13	129	53743	19.964	ug/l	98
61) 1,2-Dibromoethane	11.23	107	42187	19.812	ug/l	100
64) Tetrachloroethene	10.86	164	58246	19.664	ug/l	98
65) Chlorobenzene	11.66	112	174943	19.904	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	59625	20.347	ug/l	99
67) Ethyl Benzene	11.73	91	309273	19.584	ug/l	100
68) m/p-Xylenes	11.84	106	245757	39.376	ug/l	99
69) o-Xylene	12.16	106	112315	19.303	ug/l	100
70) Styrene	12.18	104	181806	19.193	ug/l	100
71) Bromoform	12.35	173	30618	19.269	ug/l #	99
73) Isopropylbenzene	12.47	105	311319	19.698	ug/l	100
74) N-amyl acetate	12.27	43	70435	18.644	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49445	19.669	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	34959m	14.116	ug/l	
77) Bromobenzene	12.74	156	72852	20.159	ug/l	93
78) n-propylbenzene	12.80	91	385034	19.845	ug/l	100
79) 2-Chlorotoluene	12.89	91	214383	19.664	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	270745	19.877	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15400	19.754	ug/l	93
82) 4-Chlorotoluene	12.99	91	229280	19.738	ug/l	97
83) tert-Butylbenzene	13.21	119	223299	19.516	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	270173	19.648	ug/l	99
85) sec-Butylbenzene	13.38	105	333286	19.659	ug/l	98
86) p-Isopropyltoluene	13.50	119	295267	19.430	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	150941	19.919	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	150077	20.048	ug/l	99
89) n-Butylbenzene	13.83	91	282985	19.533	ug/l	100
90) Hexachloroethane	14.10	117	52259	19.964	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	131186	19.764	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8429	18.061	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
Data File : VW009033.D
Acq On : 07 Mar 2019 11:46
Operator : SY/VA
Sample : VSTDICC020
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

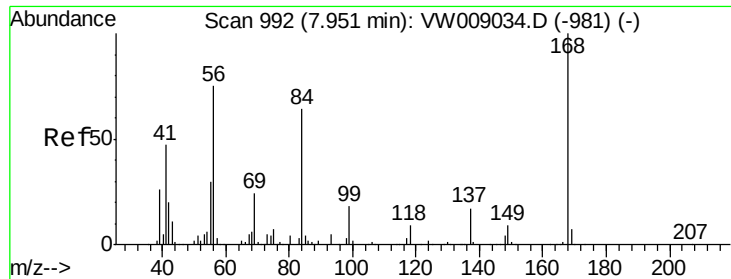
Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 PM

Quant Time: Mar 08 03:36:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 03:11:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	89073	19.624	ug/l	98
94) Hexachlorobutadiene	15.24	225	58708	20.693	ug/l	100
95) Naphthalene	15.37	128	142928	19.006	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	77682	19.490	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 292338

Ion Ratio Lower Upper

168 100

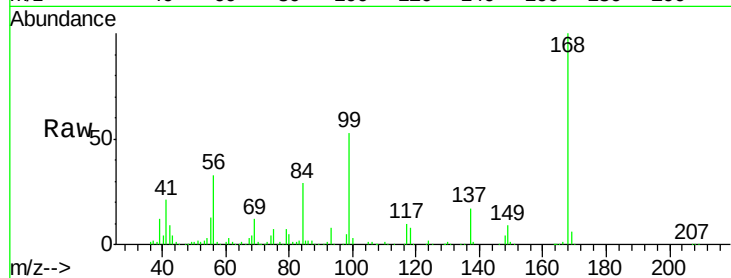
99 52.7 42.2 63.2

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:07:10 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

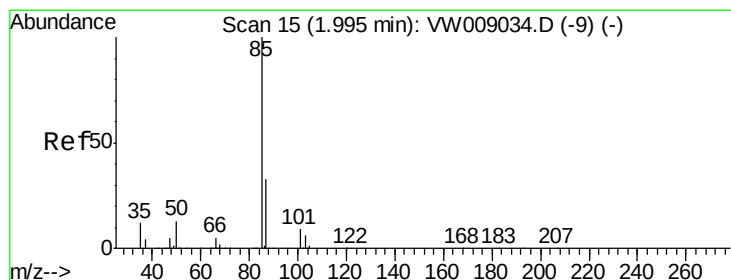
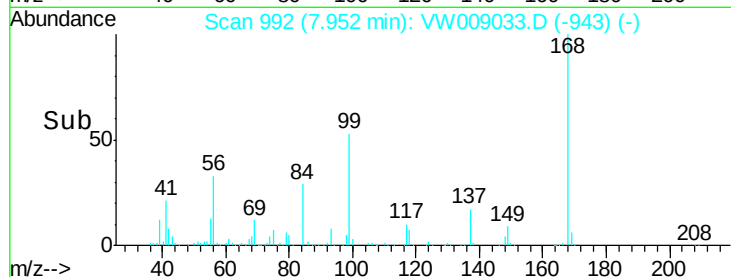
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.968 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009033.D

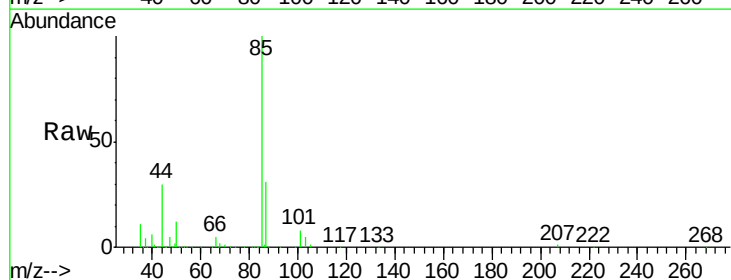
Acq: 07 Mar 2019 11:46

Tgt Ion: 85 Resp: 64631

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

50000

40000

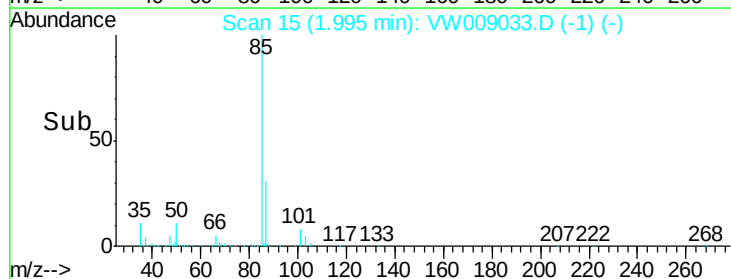
30000

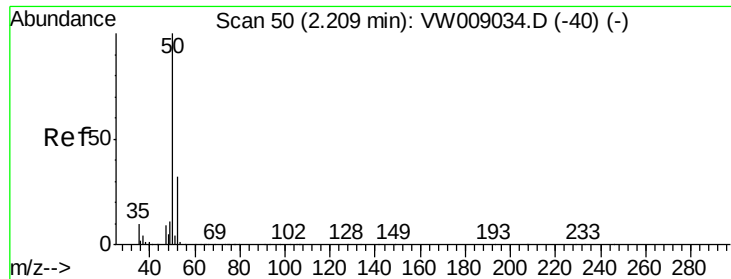
20000

10000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 20.468 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 75775

Ion Ratio Lower Upper

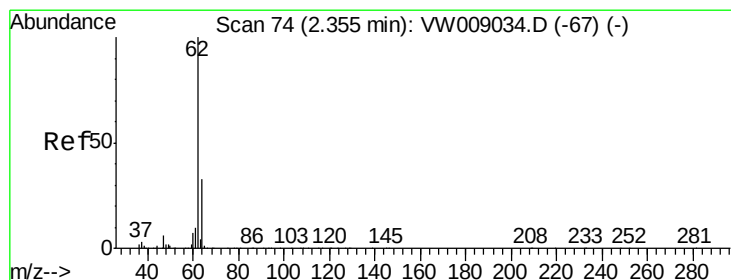
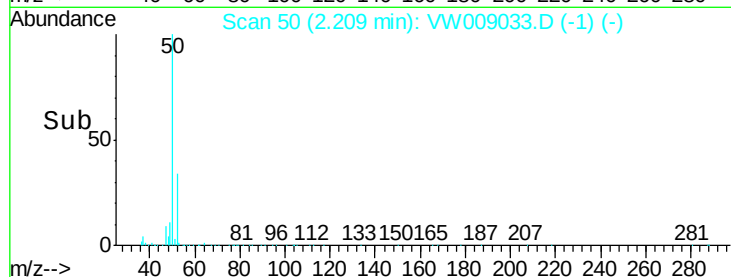
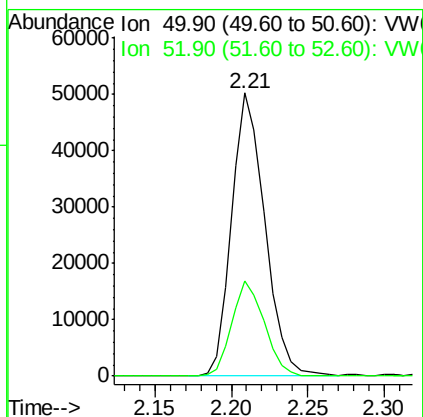
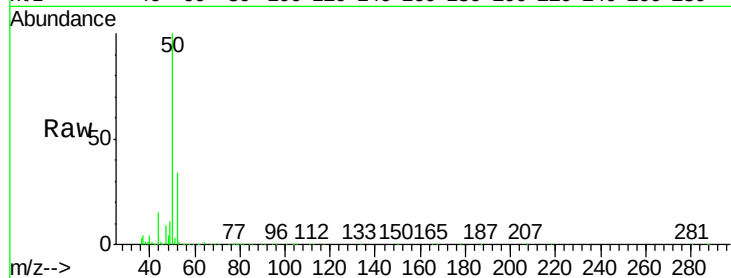
50 100

52 33.5 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

3/8/2019 12:07:10 PM



#4

Vinyl Chloride

Concen: 19.893 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009033.D

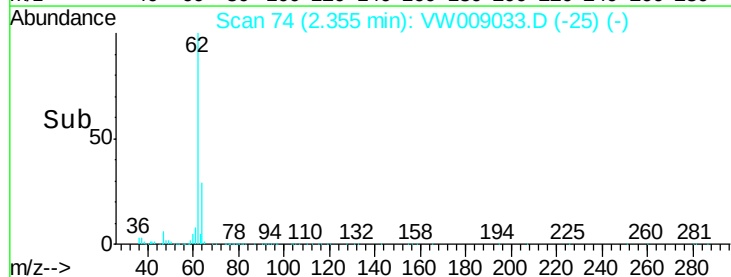
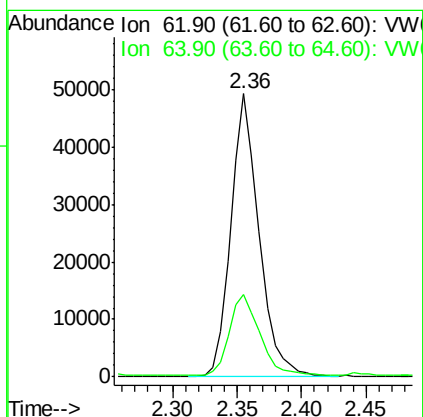
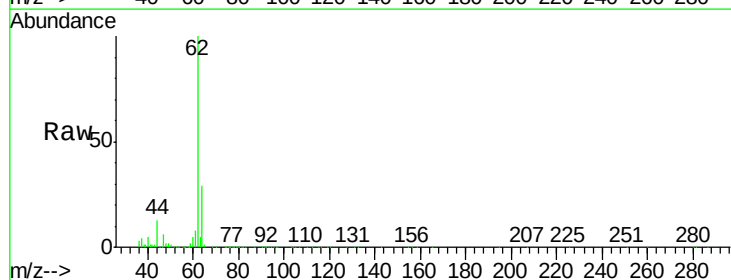
Acq: 07 Mar 2019 11:46

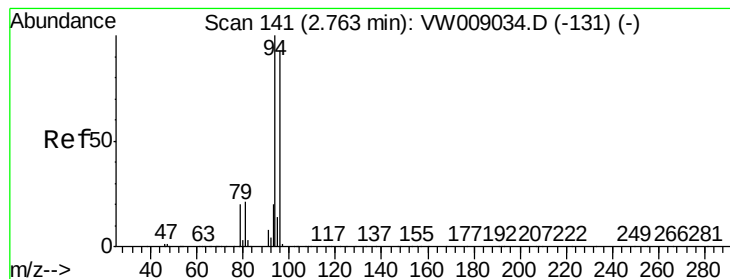
Tgt Ion: 62 Resp: 75612

Ion Ratio Lower Upper

62 100

64 28.7 26.0 39.0





#5

Bromomethane

Concen: 20.408 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 66058

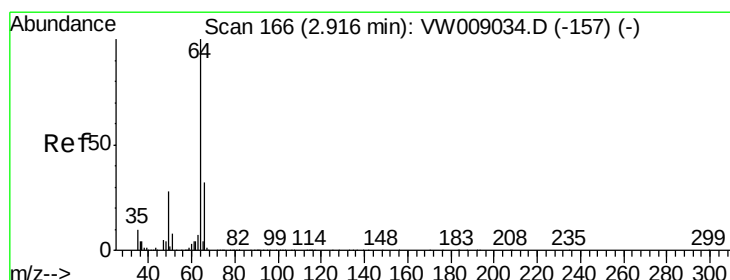
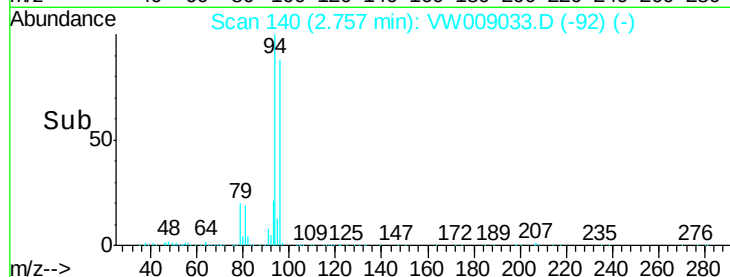
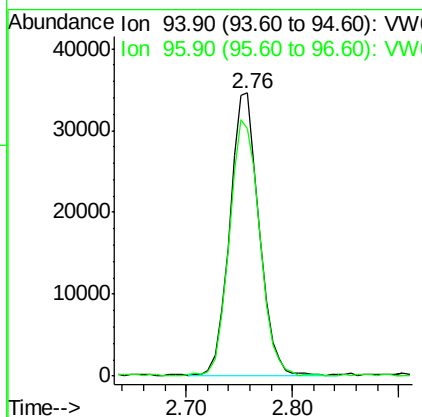
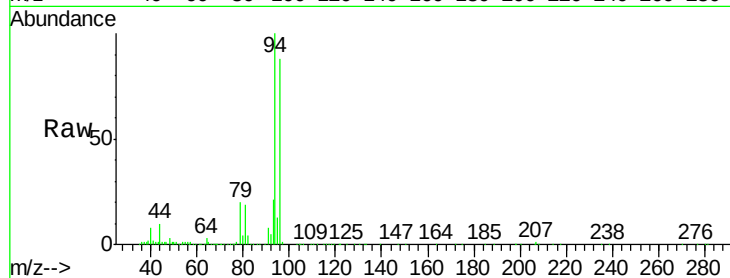
Ion Ratio Lower Upper

94 100

96 87.7 74.4 111.6

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 PM



#6

Chloroethane

Concen: 19.395 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009033.D

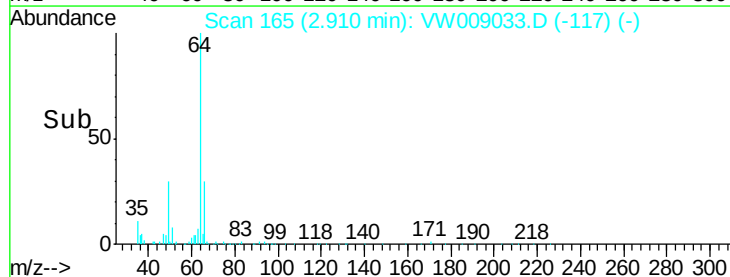
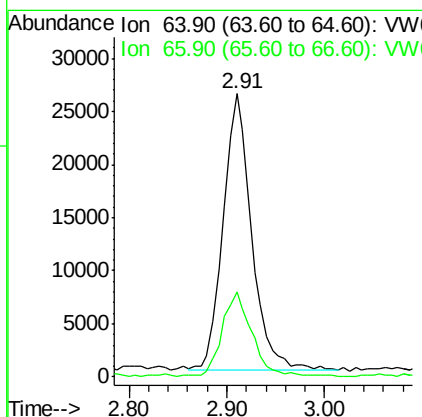
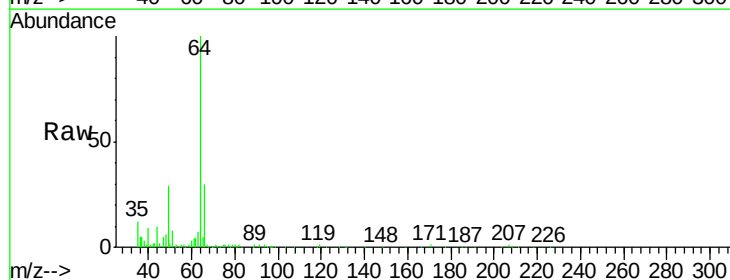
Acq: 07 Mar 2019 11:46

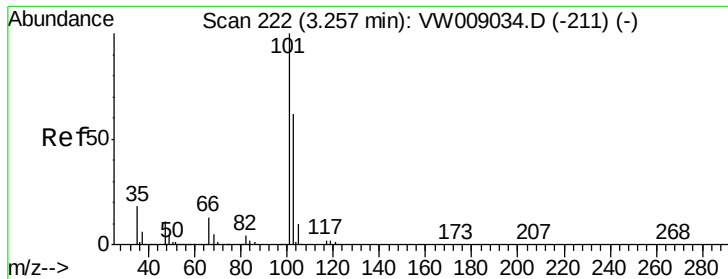
Tgt Ion: 64 Resp: 52704

Ion Ratio Lower Upper

64 100

66 30.6 25.5 38.3





#7

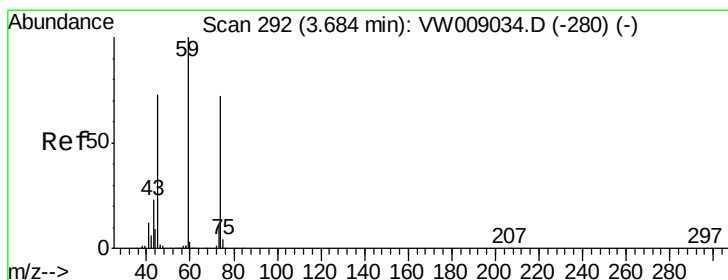
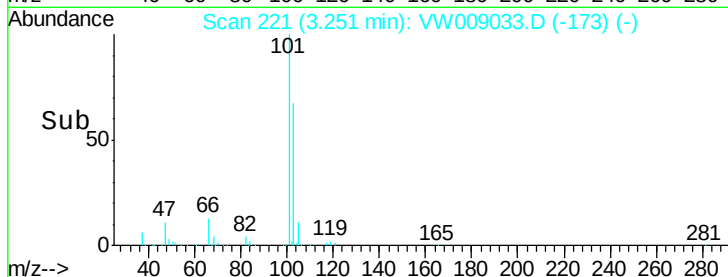
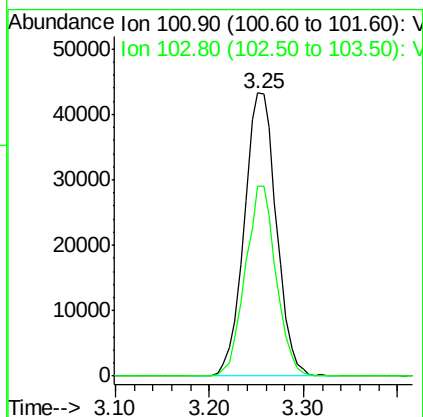
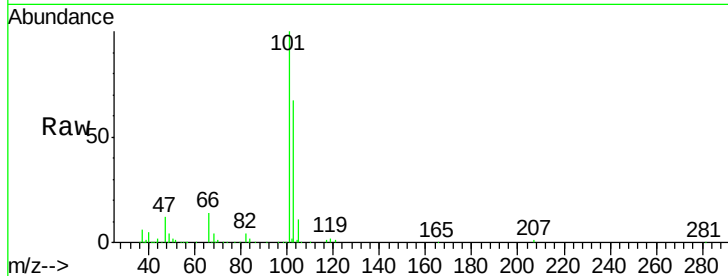
Trichlorofluoromethane
Concen: 21.295 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	49.9	74.9

Manual Integrations
APPROVED

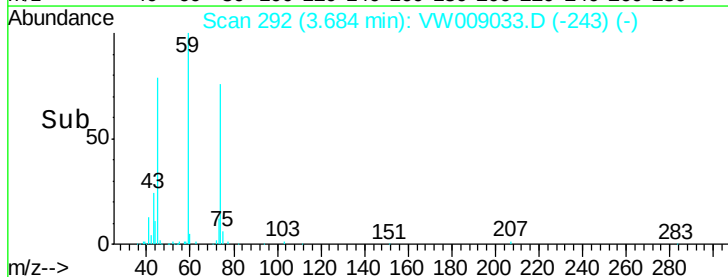
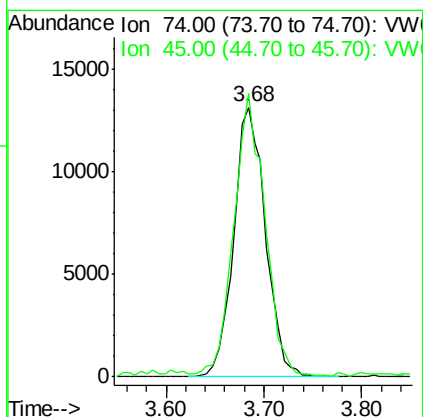
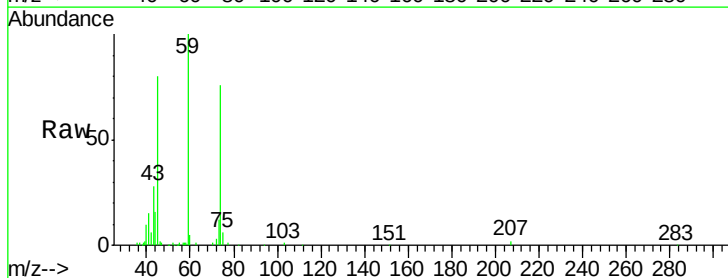
MMDadoda
3/8/2019 12:07:10 PM

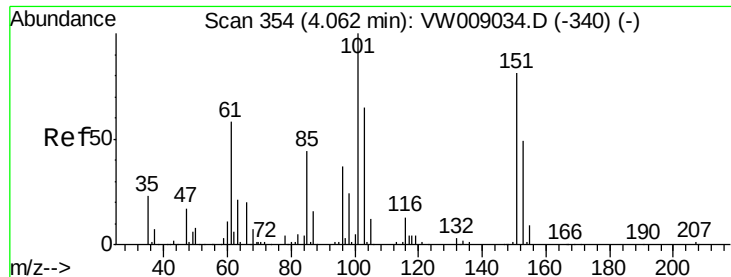


#8

Diethyl Ether
Concen: 20.182 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.8	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.772 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

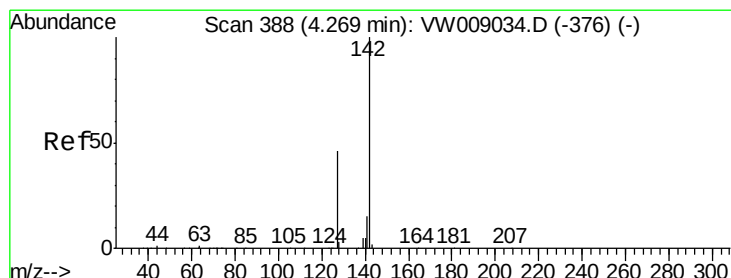
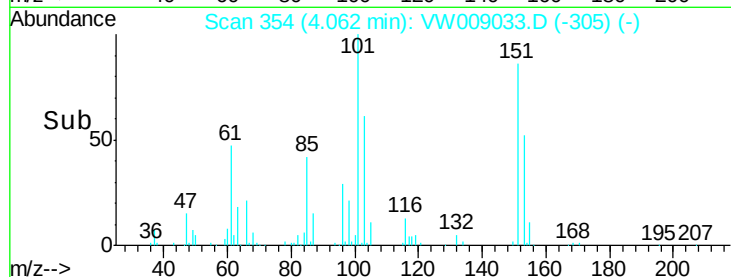
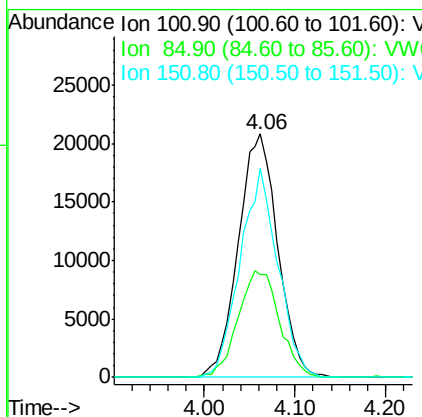
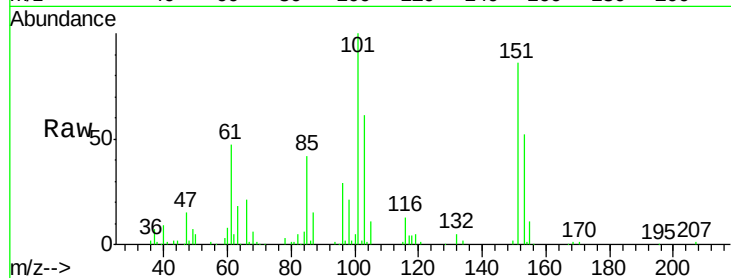
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	62725
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.2	54.4
151	82.2	63.4	95.2

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 PM



#10

Methyl Iodide

Concen: 18.500 ug/l

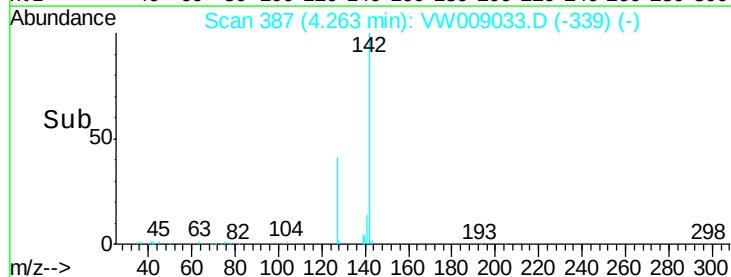
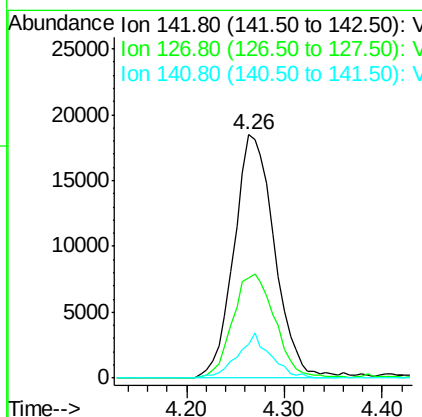
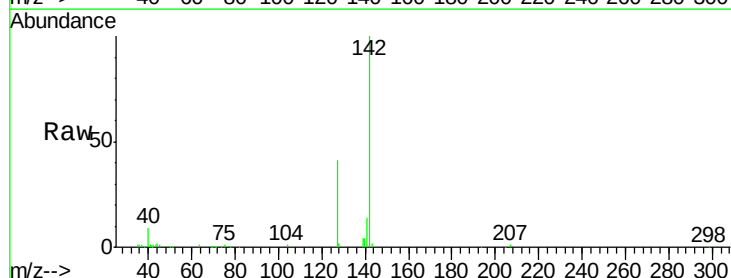
RT: 4.26 min Scan# 387

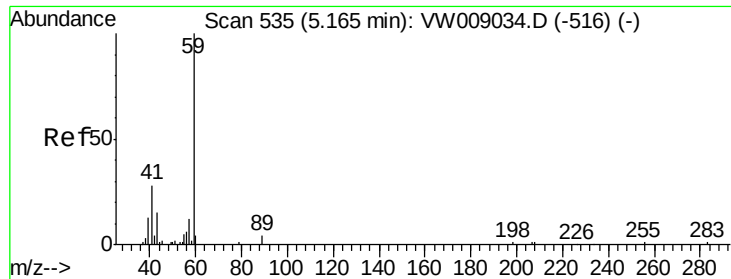
Delta R.T. -0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Tgt Ion:	142	Resp:	53084
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.8	53.6
141	15.1	11.8	17.8





#11

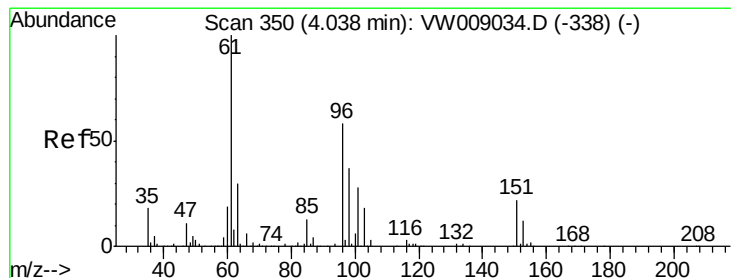
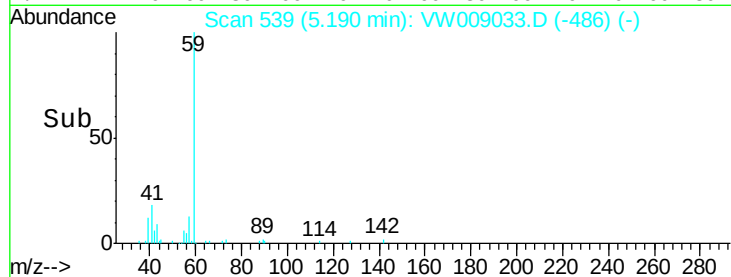
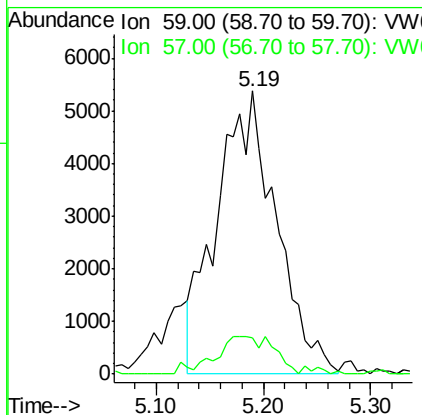
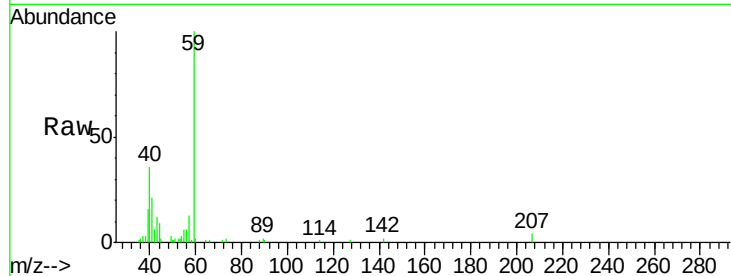
Tert butyl alcohol
 Concen: 98.848 ug/l m
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.3	8.6	12.8#

Manual Integrations
 APPROVED

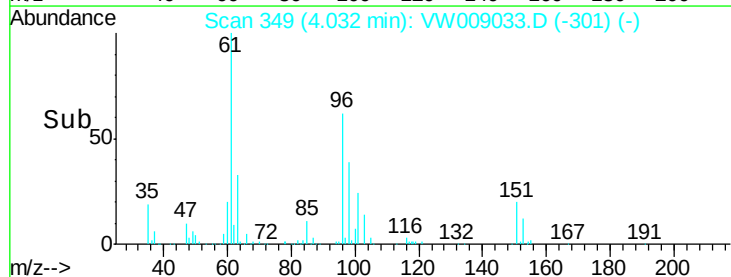
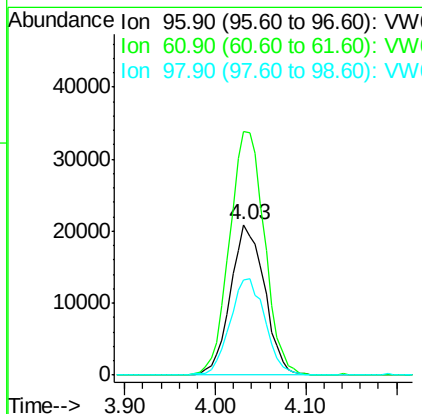
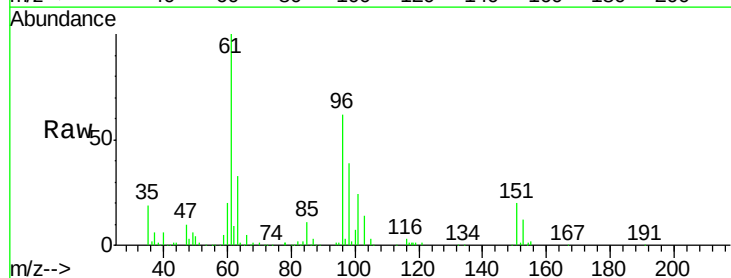
MMDadoda
 3/8/2019 12:07:10 PM

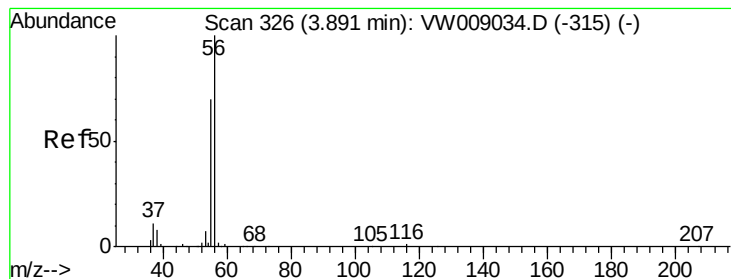


#12

1,1-Dichloroethene
 Concen: 20.671 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.8	138.2	207.2
98	63.1	51.3	76.9





#13

Acrolein

Concen: 99.026 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 56 Resp: 24817

Ion Ratio Lower Upper

56 100

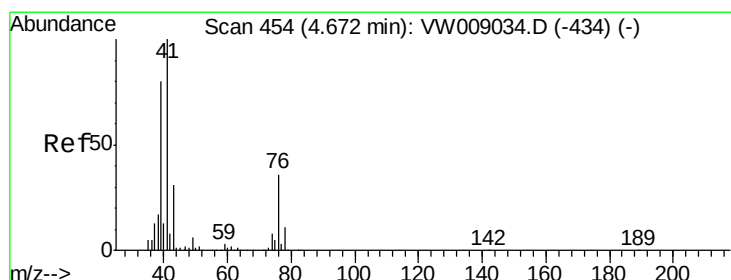
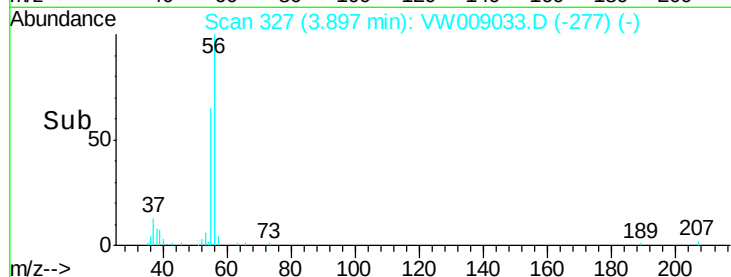
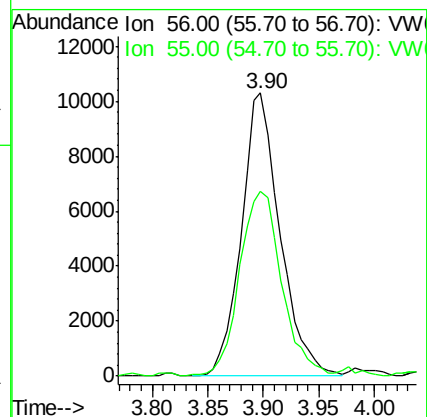
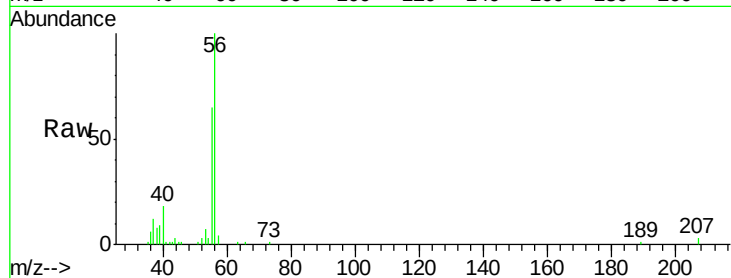
55 71.3 56.6 84.8

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:07:10 PM



#14

Allyl chloride

Concen: 20.270 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

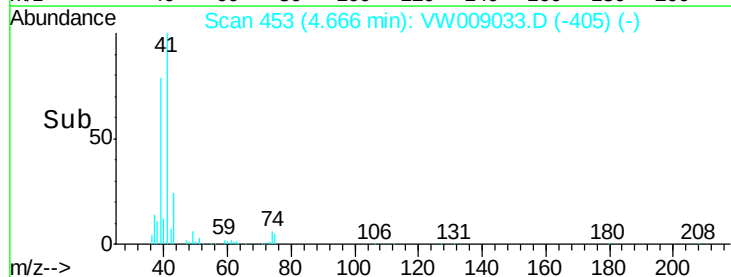
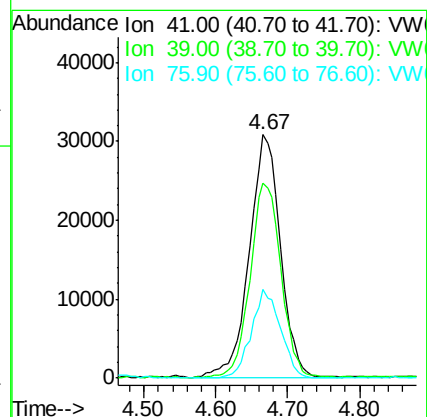
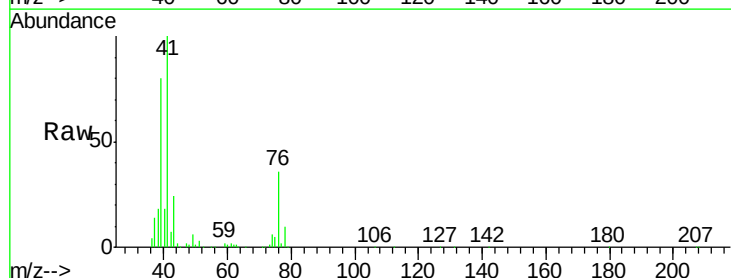
Tgt Ion: 41 Resp: 92387

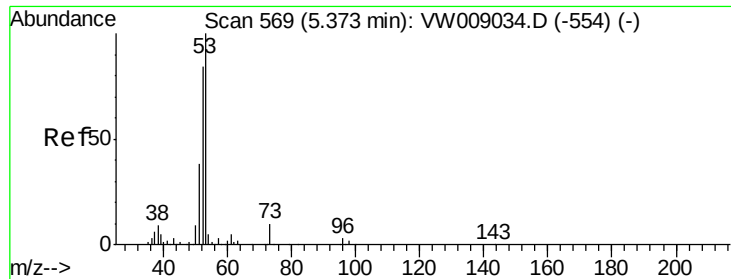
Ion Ratio Lower Upper

41 100

39 80.5 63.0 94.4

76 34.2 28.2 42.2





#15

Acrylonitrile

Concen: 92.292 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

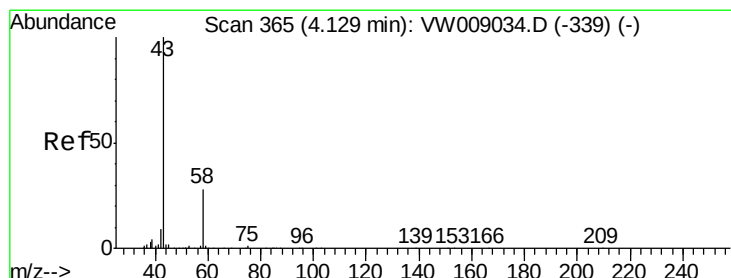
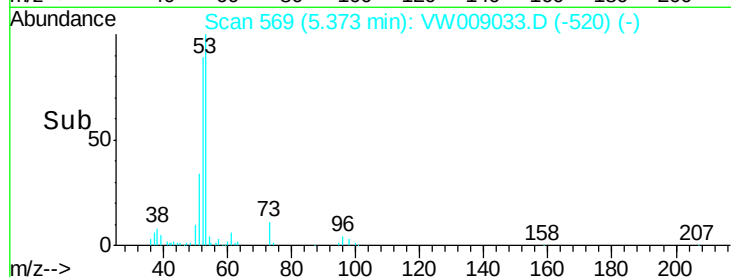
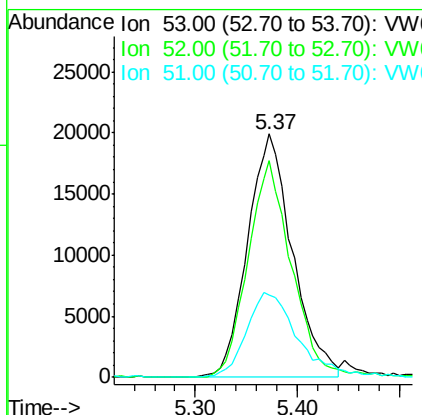
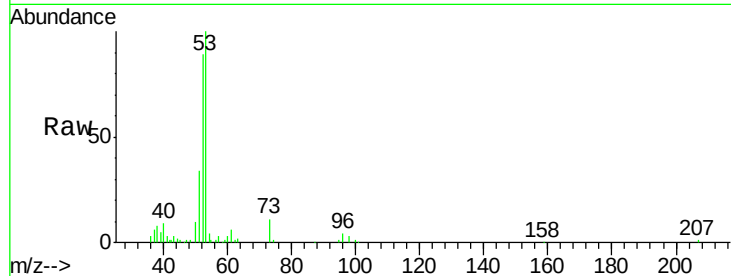
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	60948
Ion	Ratio	Lower	Upper
53	100		
52	87.1	67.2	100.8
51	40.0	31.8	47.6

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 PM



#16

Acetone

Concen: 92.130 ug/l

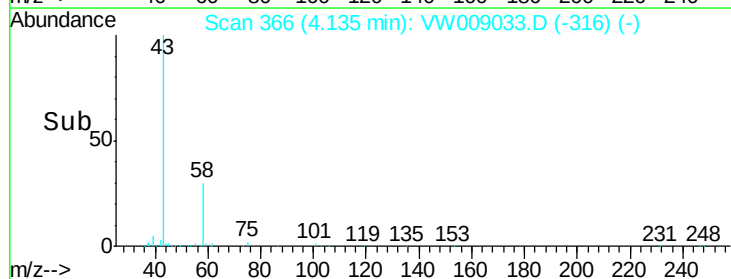
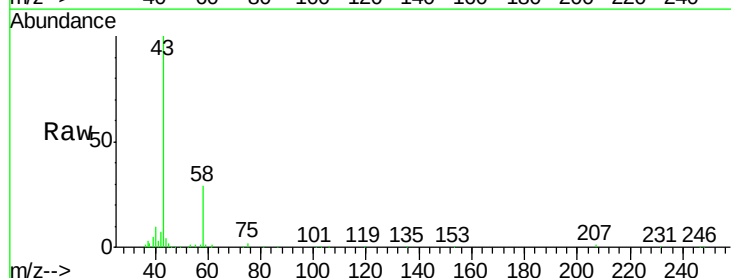
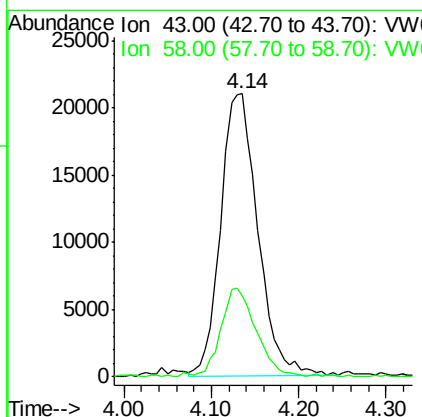
RT: 4.14 min Scan# 366

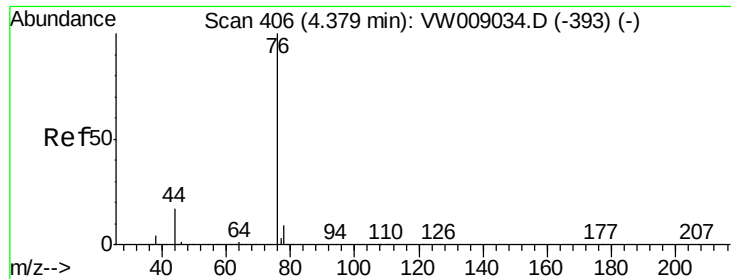
Delta R.T. 0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Tgt Ion:	43	Resp:	61700
Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.5	33.7





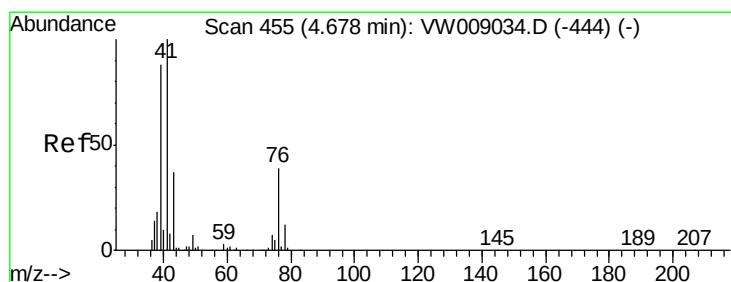
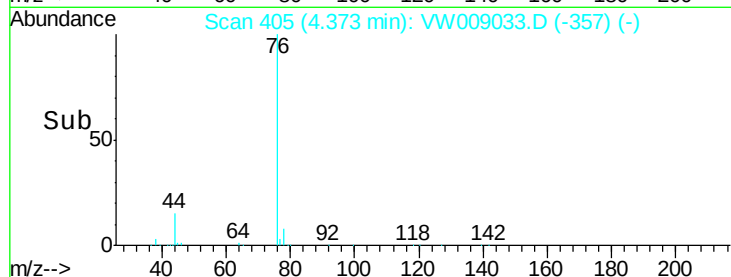
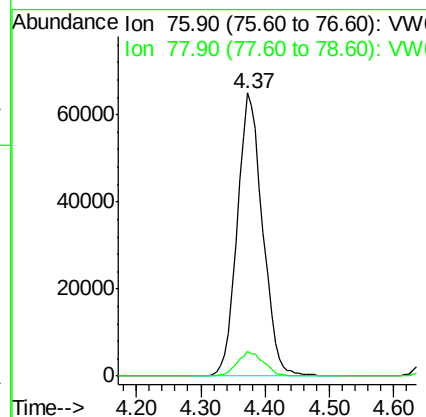
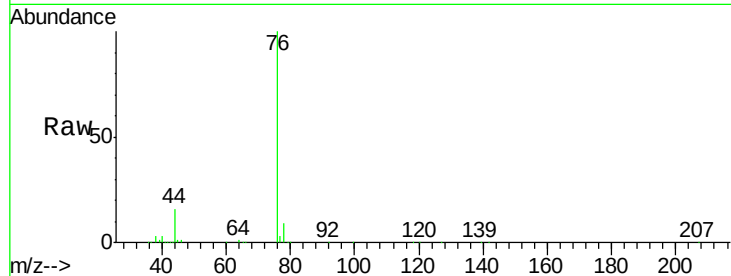
#17
Carbon Disulfide
Concen: 20.213 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

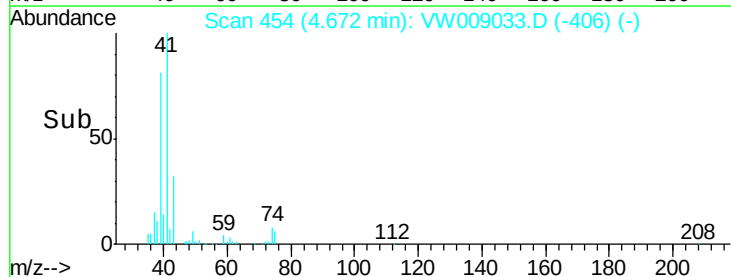
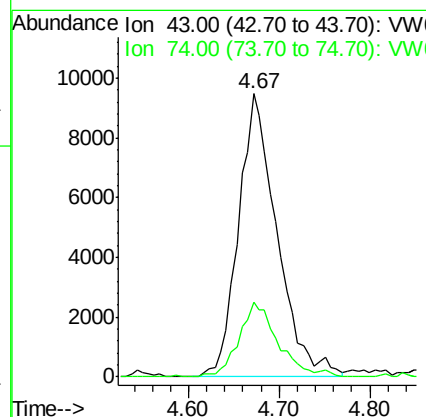
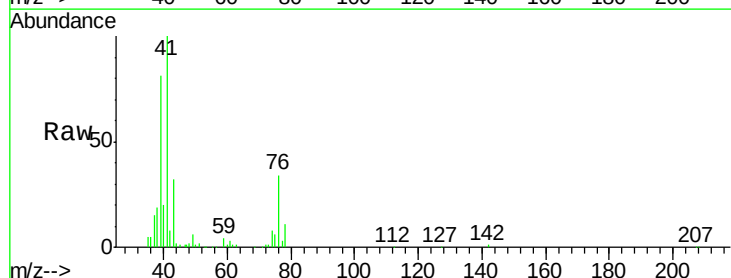
Manual Integrations
APPROVED

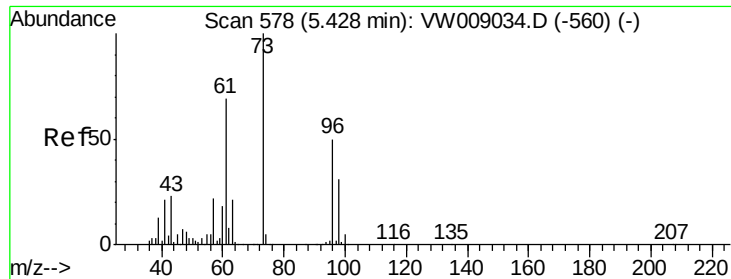
MMDadoda
3/8/2019 12:07:10 PM



#18
Methyl Acetate
Concen: 18.147 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	17.6	26.4





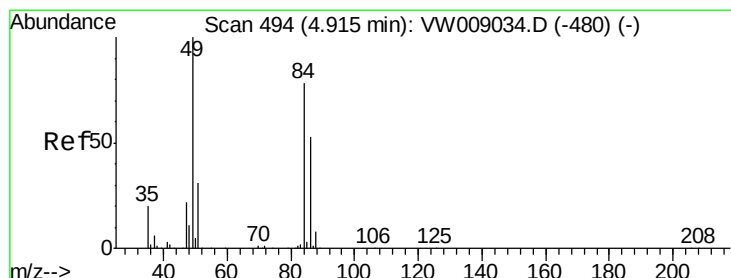
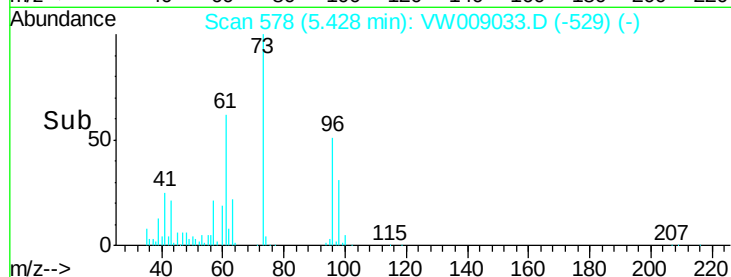
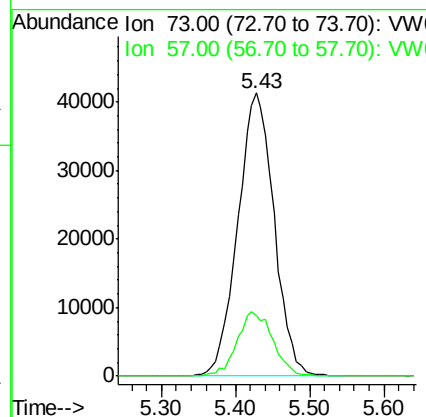
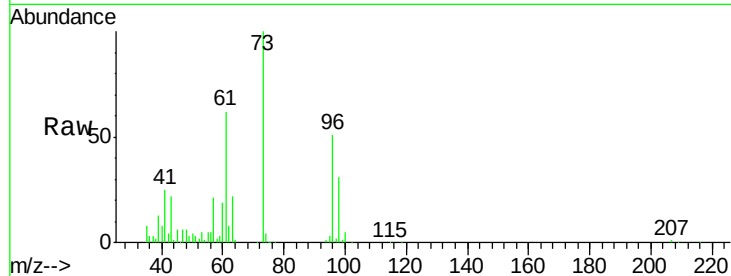
#19
Methyl tert-butyl Ether
Concen: 20.337 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 73 Resp: 140943
Ion Ratio Lower Upper
73 100
57 21.3 17.3 25.9

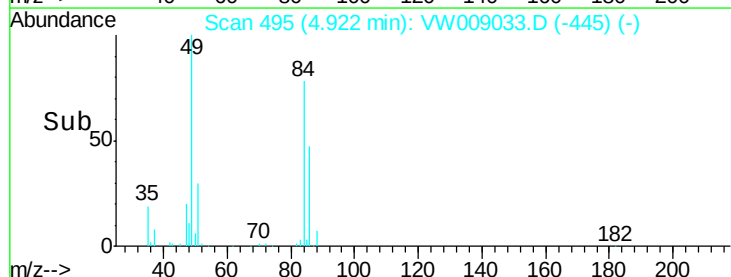
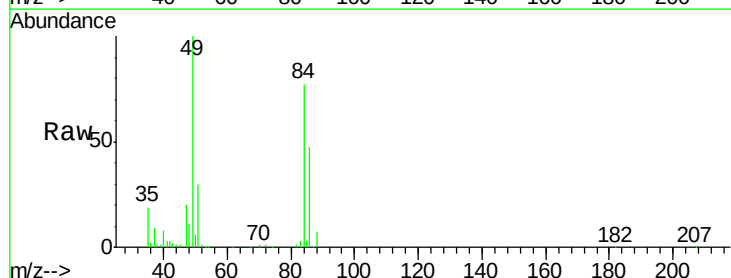
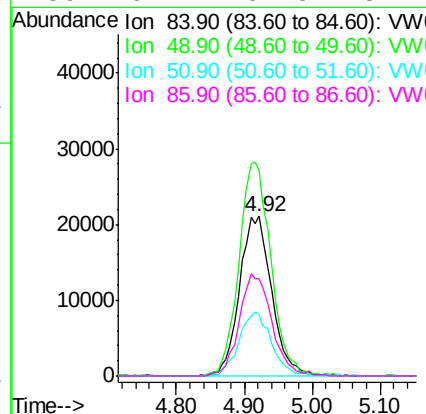
Manual Integrations
APPROVED

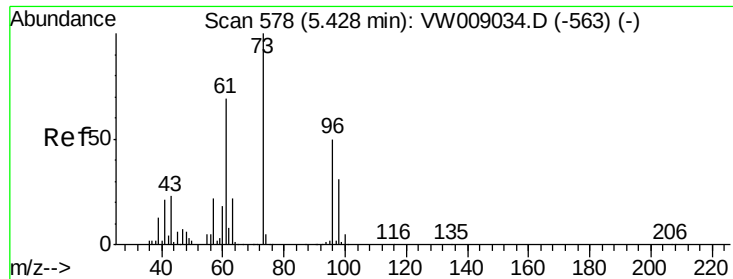
MMDadoda
3/8/2019 12:07:10 PM



#20
Methylene Chloride
Concen: 18.213 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion: 84 Resp: 69433
Ion Ratio Lower Upper
84 100
49 129.3 102.4 153.6
51 38.3 31.6 47.4
86 61.2 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 20.783 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

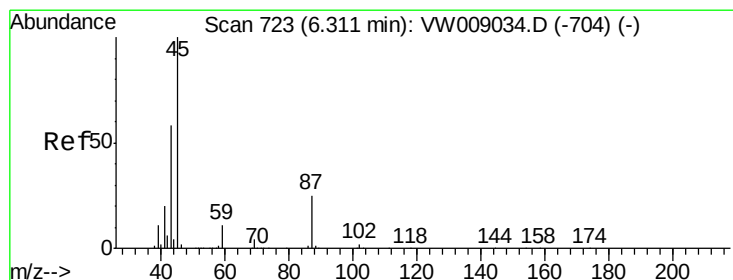
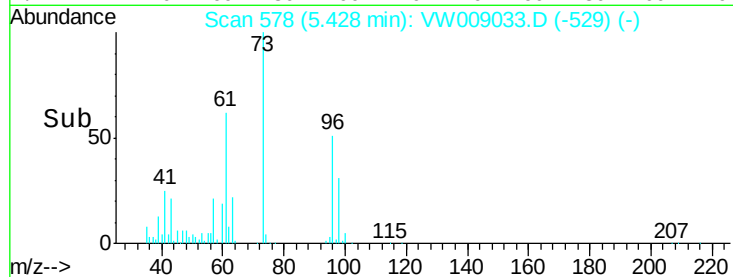
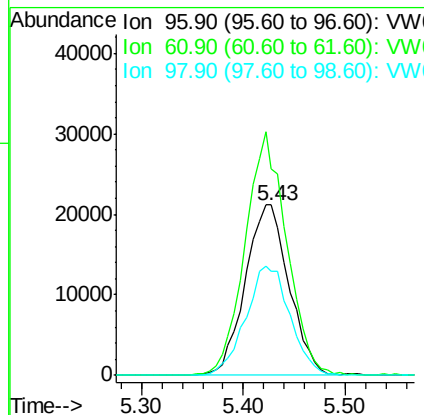
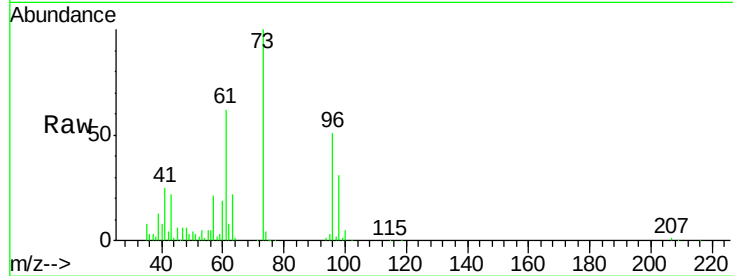
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	63102
Ion	Ratio	Lower	Upper
96	100		
61	121.5	111.0	166.6
98	61.1	49.4	74.0

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 PM



#22

Diisopropyl ether

Concen: 20.269 ug/l

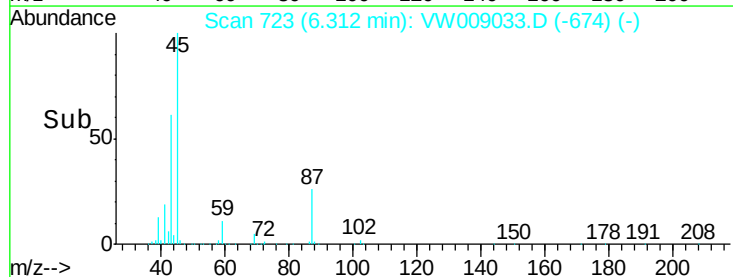
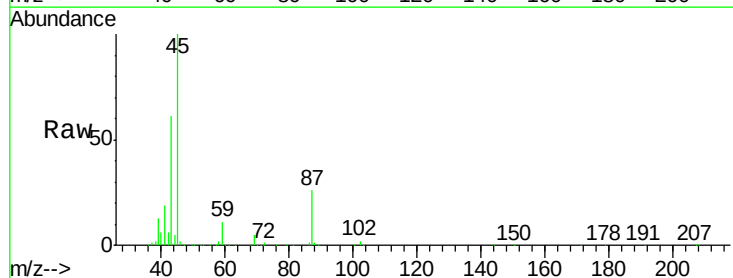
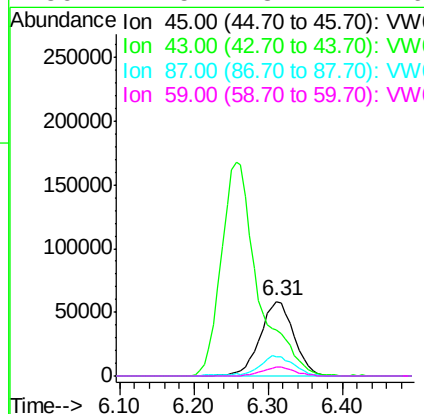
RT: 6.31 min Scan# 723

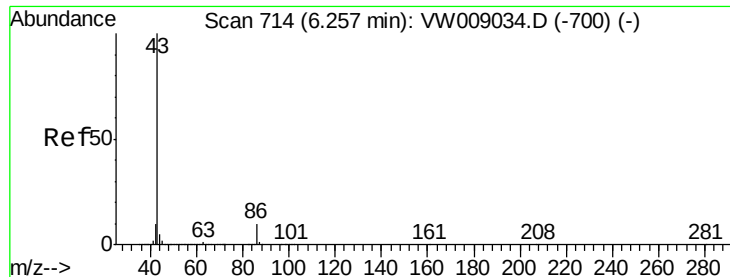
Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Tgt Ion:	45	Resp:	186048
Ion	Ratio	Lower	Upper
45	100		
43	60.8	46.2	69.4
87	25.9	20.1	30.1
59	11.5	8.4	12.6





#23

Vinyl Acetate

Concen: 100.396 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 574410

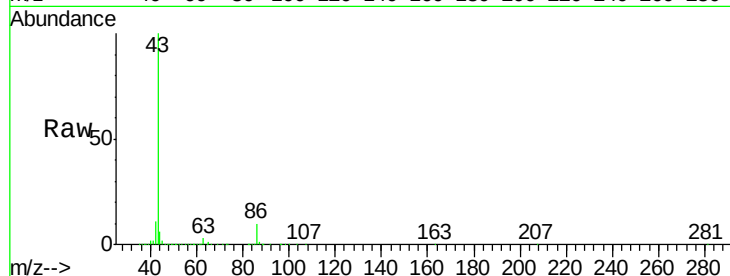
Ion Ratio Lower Upper

43 100

86 9.8 7.6 11.4

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

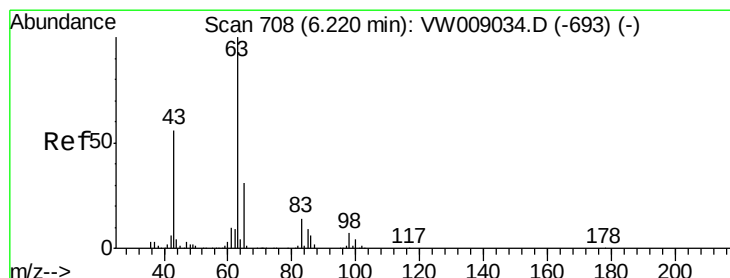
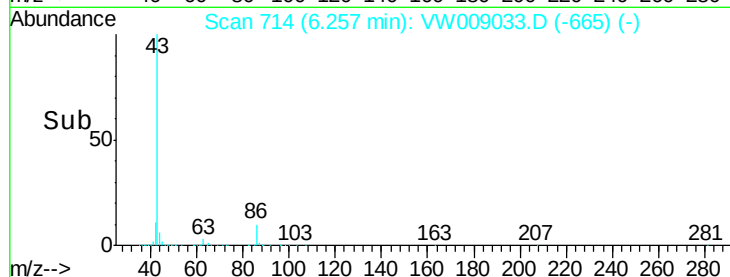
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.446 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

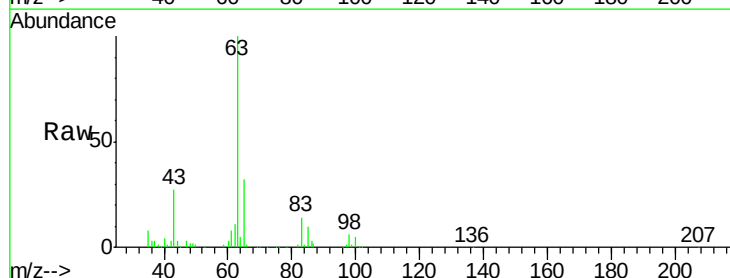
Tgt Ion: 63 Resp: 108831

Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.2

100 5.2 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

40000

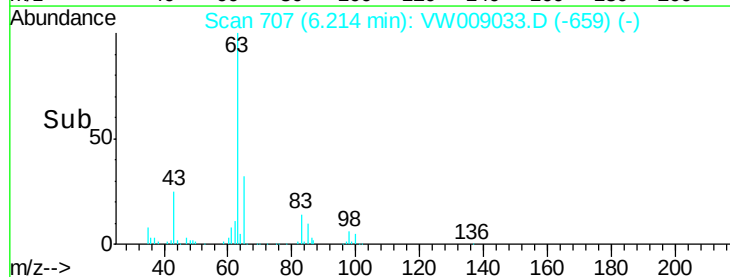
30000

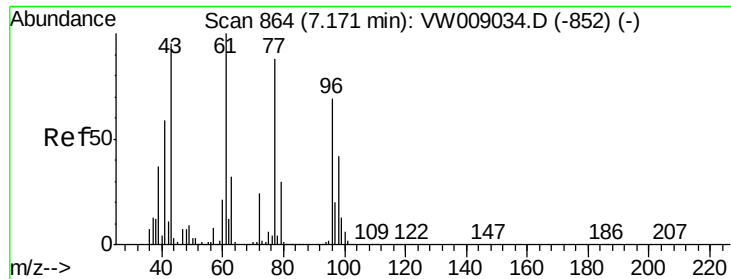
20000

10000

0

Time-->





#25

2-Butanone

Concen: 94.287 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 85715

Ion Ratio Lower Upper

43 100

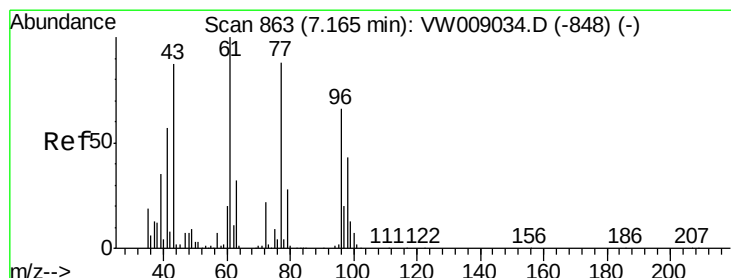
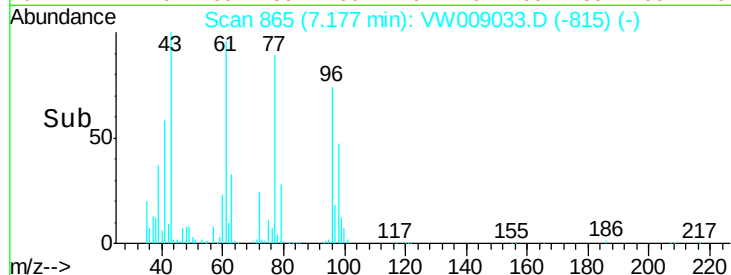
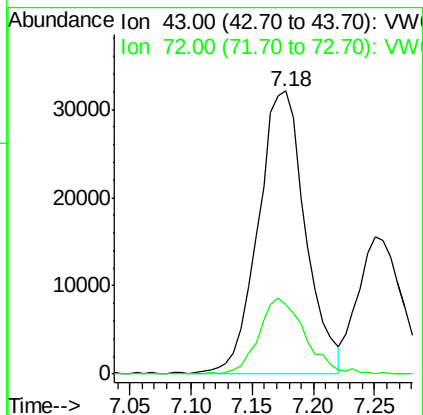
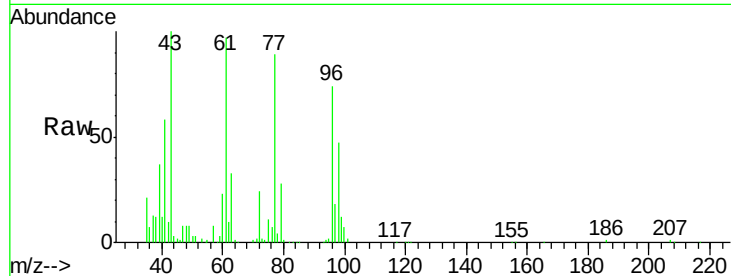
72 24.5 20.0 30.0

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:07:10 PM



#26

2,2-Dichloropropane

Concen: 20.291 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009033.D

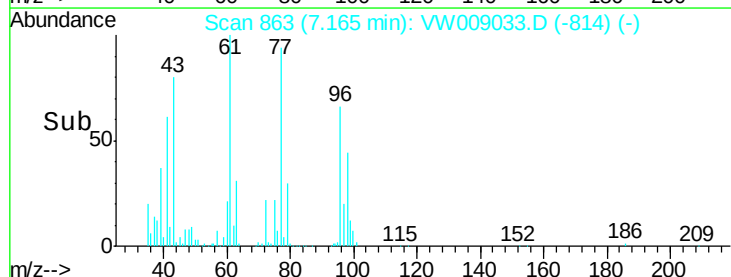
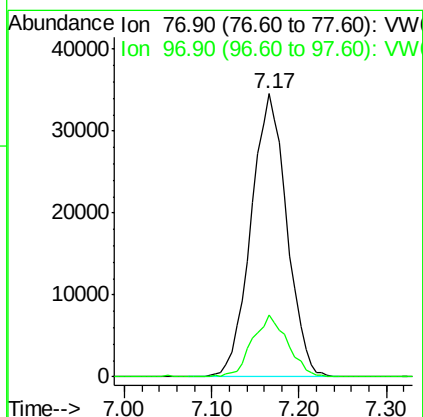
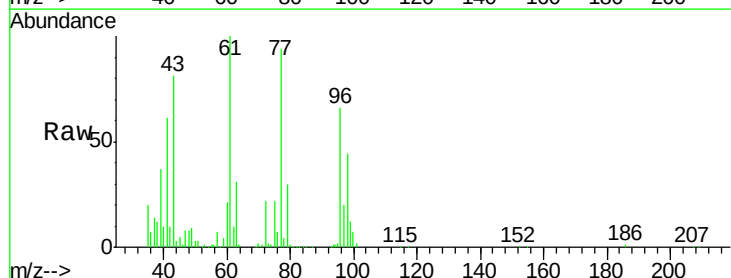
Acq: 07 Mar 2019 11:46

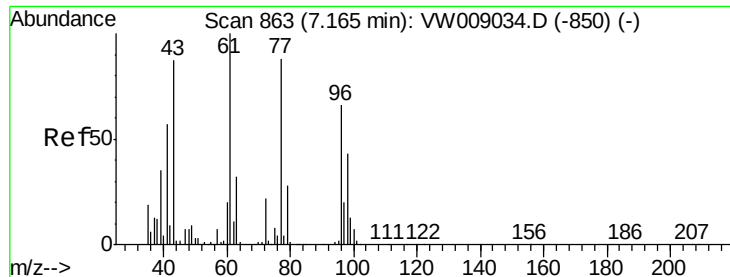
Tgt Ion: 77 Resp: 98688

Ion Ratio Lower Upper

77 100

97 21.5 10.9 32.9





#27

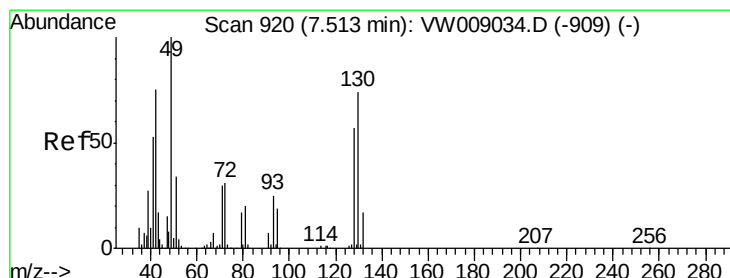
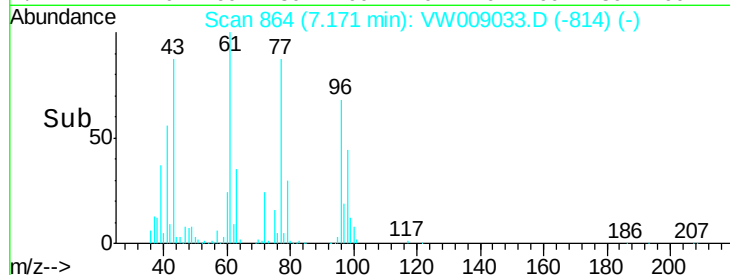
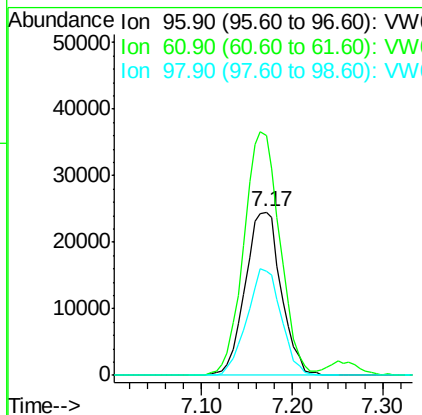
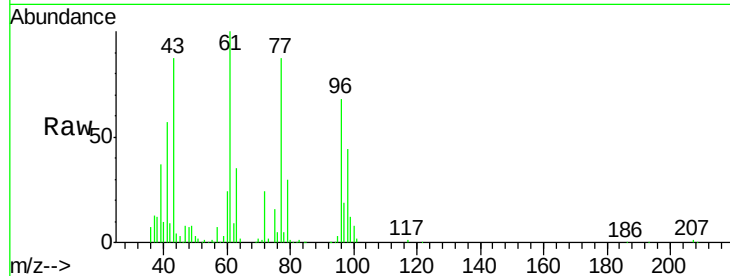
cis-1,2-Dichloroethene
 Concen: 20.784 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	299.8
98	62.5	0.0	127.2

Manual Integrations
 APPROVED

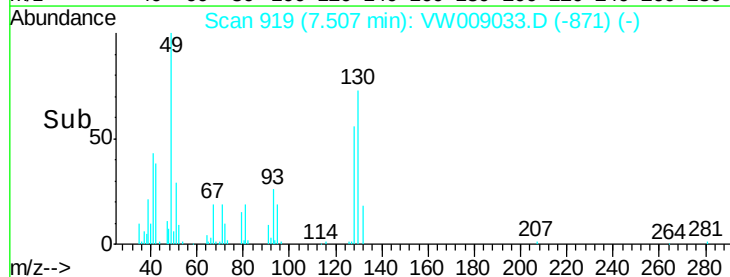
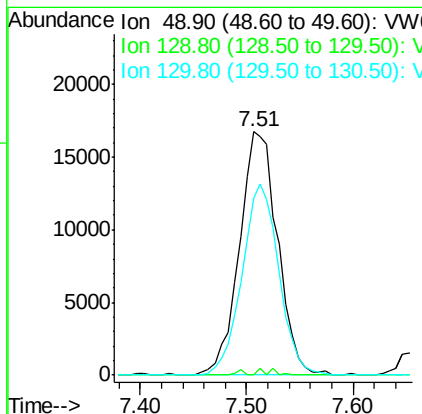
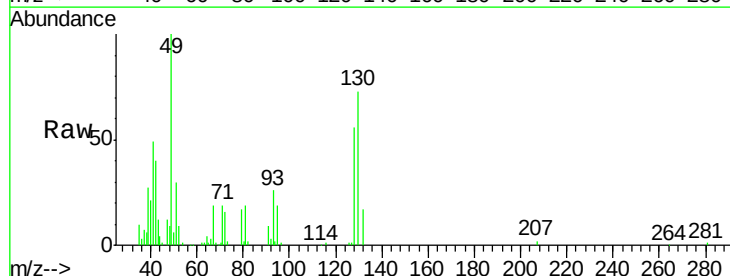
MMDadoda
 3/8/2019 12:07:10 PM

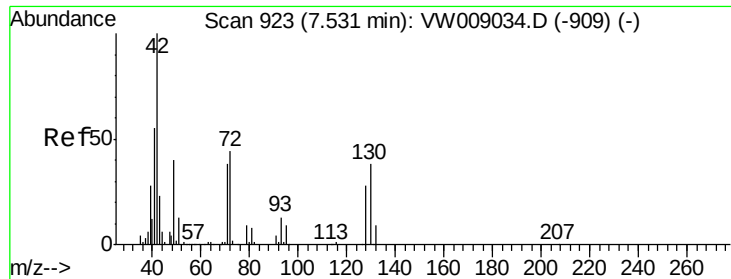


#28

Bromochloromethane
 Concen: 19.094 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	4.6
130	75.9	60.4	90.6





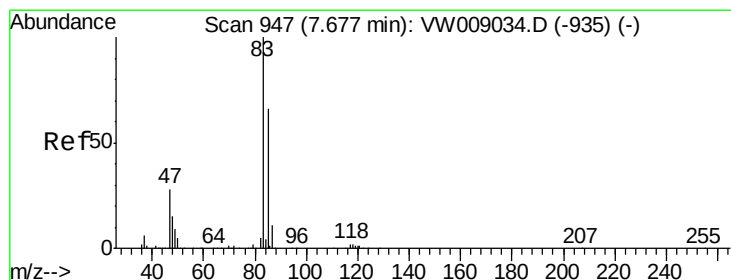
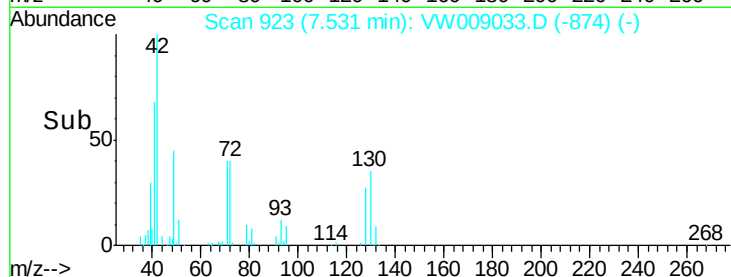
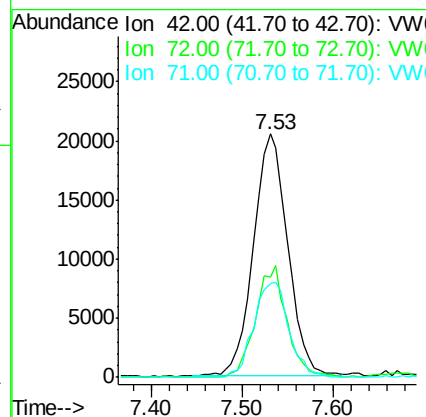
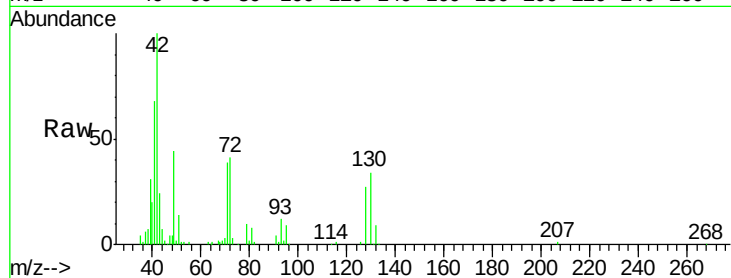
#29
Tetrahydrofuran
Concen: 92.130 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.2	48.4
71	39.9	30.7	46.1

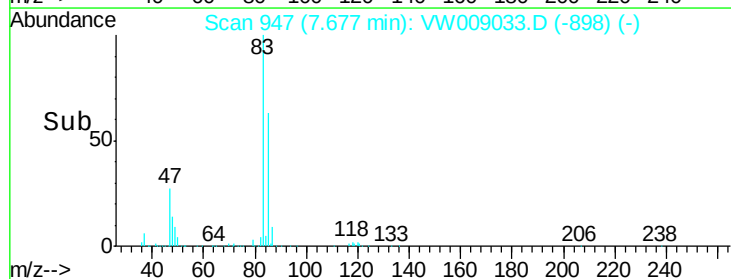
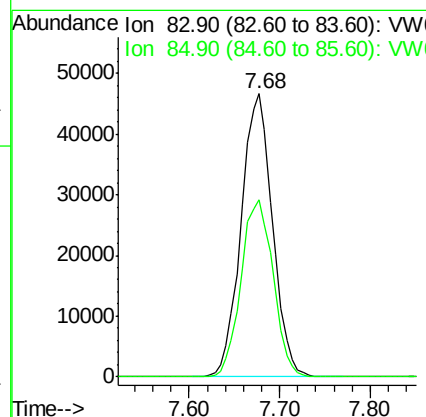
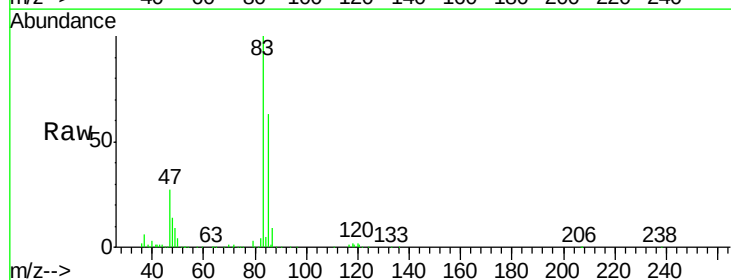
Manual Integrations
APPROVED

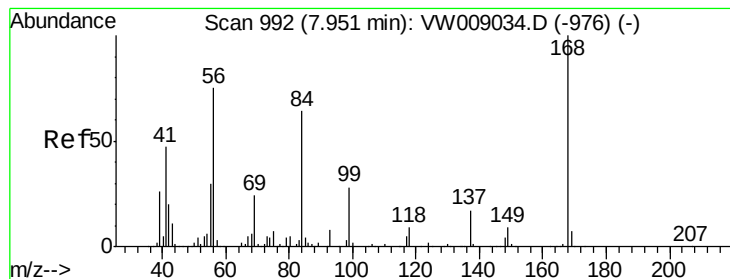
MMDadoda
3/8/2019 12:07:10 PM



#30
Chloroform
Concen: 20.526 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	53.0	79.6





#31

Cyclohexane

Concen: 20.248 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

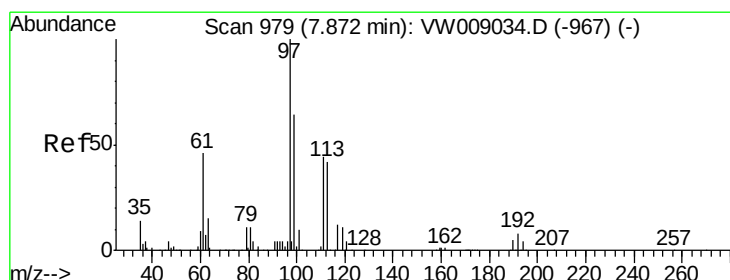
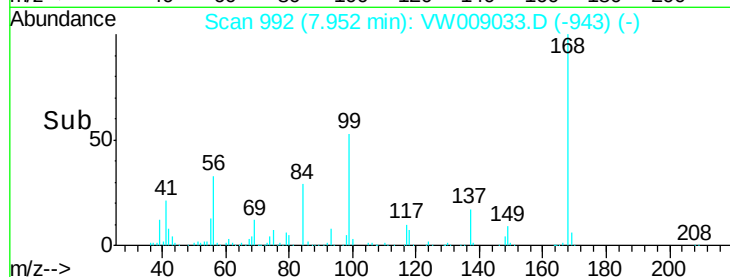
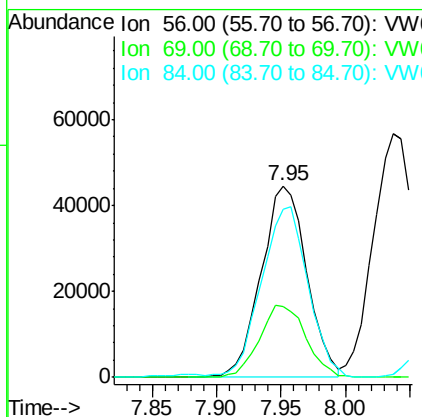
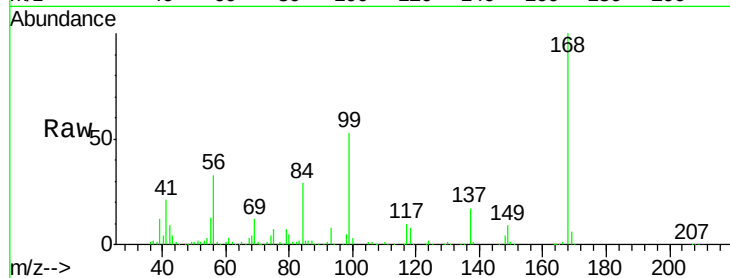
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	109664
Ion Ratio	Lower	Upper	
56	100		
69	36.4	25.5	38.3
84	86.3	68.6	103.0

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 PM



#32

1,1,1-Trichloroethane

Concen: 20.713 ug/l

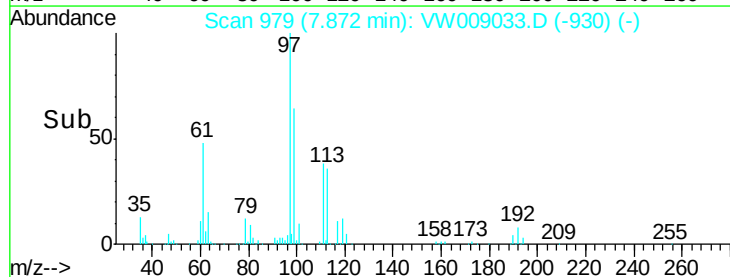
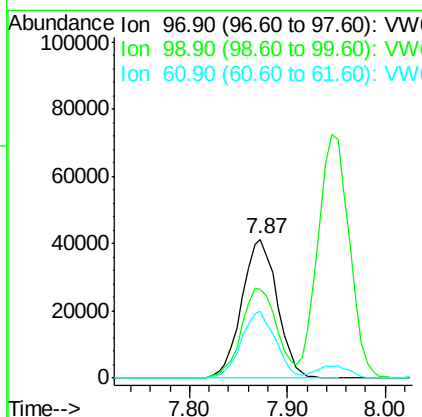
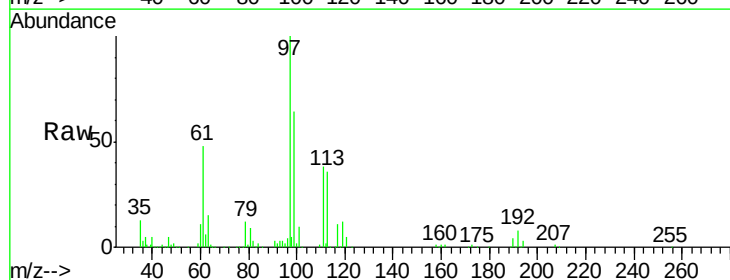
RT: 7.87 min Scan# 979

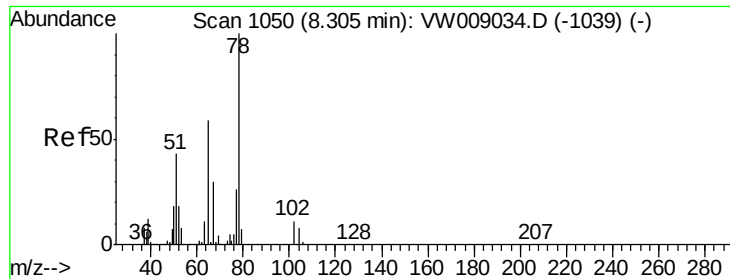
Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Tgt Ion:	97	Resp:	103752
Ion Ratio	Lower	Upper	
97	100		
99	65.5	51.8	77.8
61	46.7	37.3	55.9





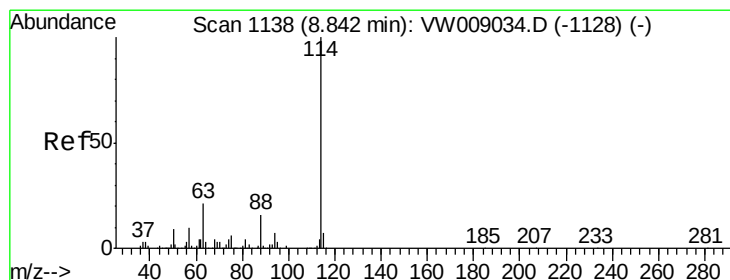
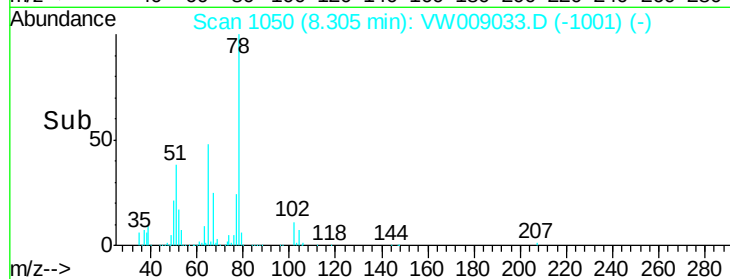
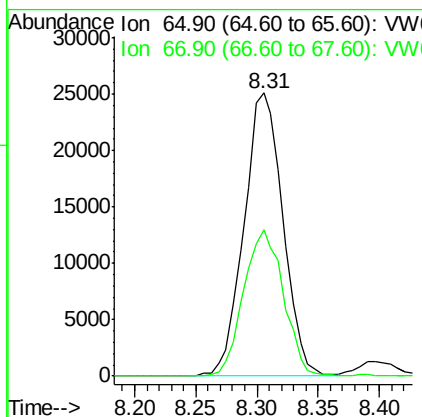
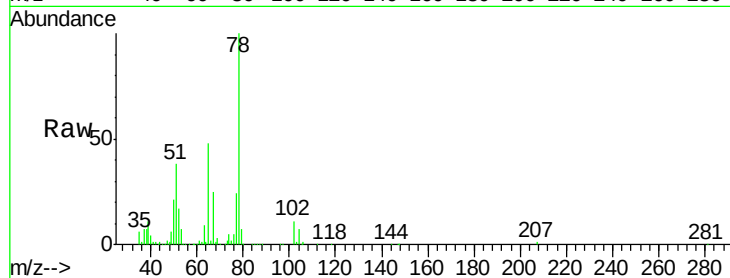
#33
 1,2-Dichloroethane-d4
 Concen: 18.559 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	103.0

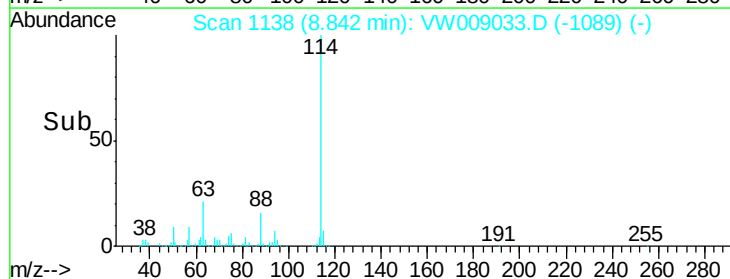
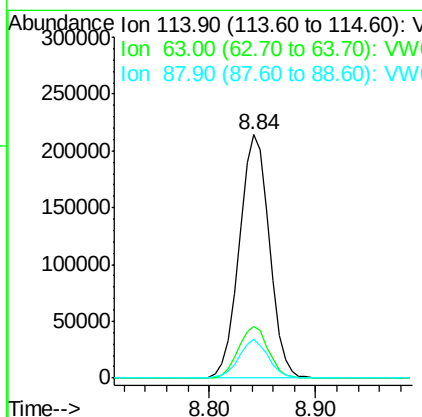
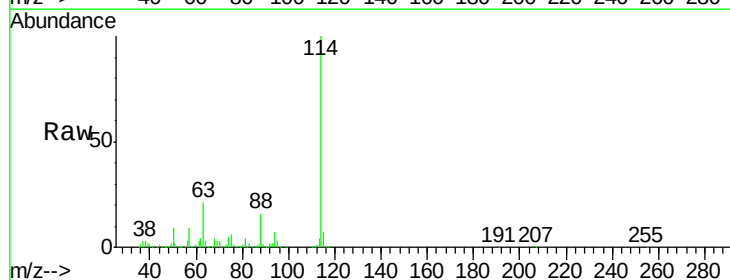
Manual Integrations
 APPROVED

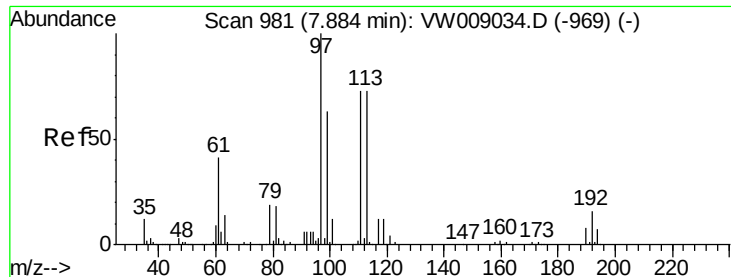
MMDadoda
 3/8/2019 12:07:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.2
88	15.9	0.0	31.2





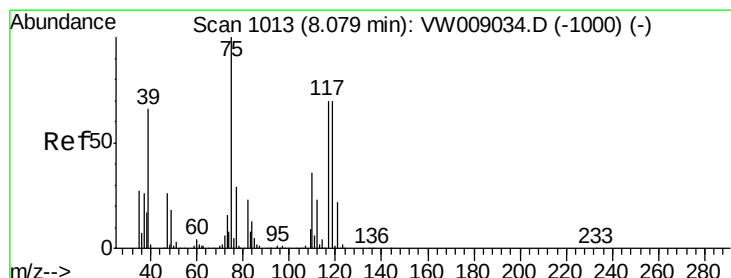
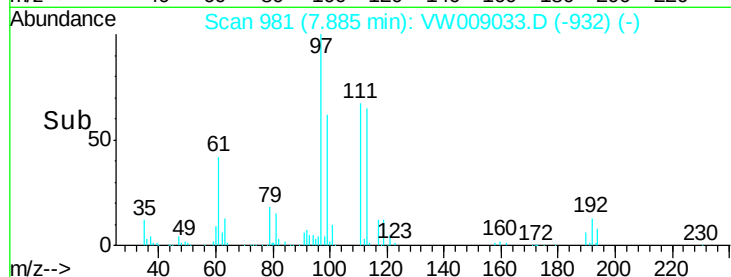
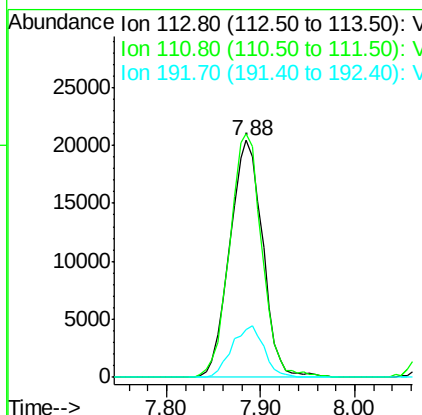
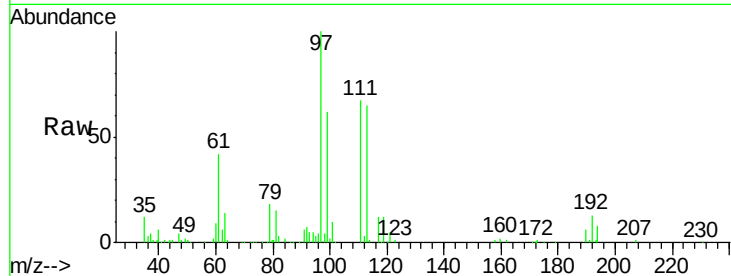
#35
 Dibromofluoromethane
 Concen: 19.359 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	81.0	121.4
192	21.1	17.1	25.7

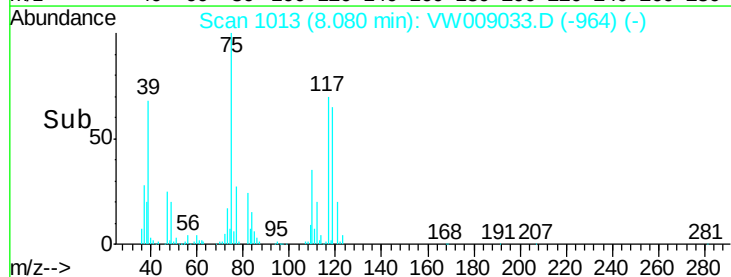
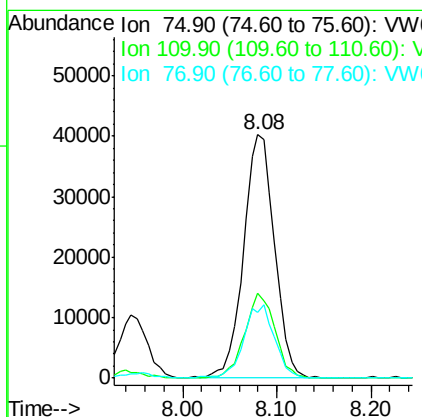
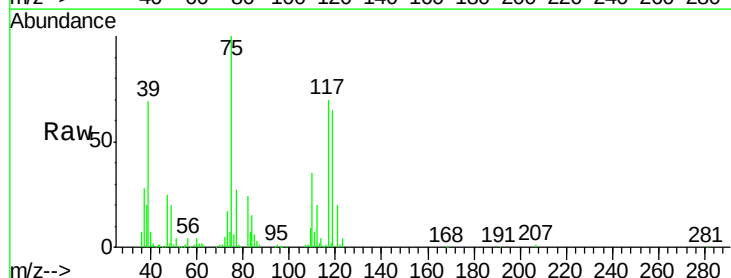
Manual Integrations
 APPROVED

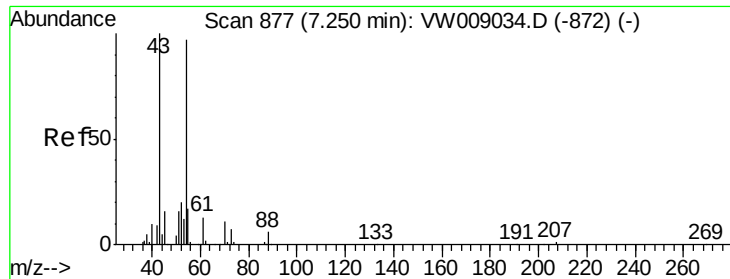
MMDadoda
 3/8/2019 12:07:10 PM



#36
 1,1-Dichloropropene
 Concen: 21.073 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.6	52.9
77	29.7	25.1	37.7





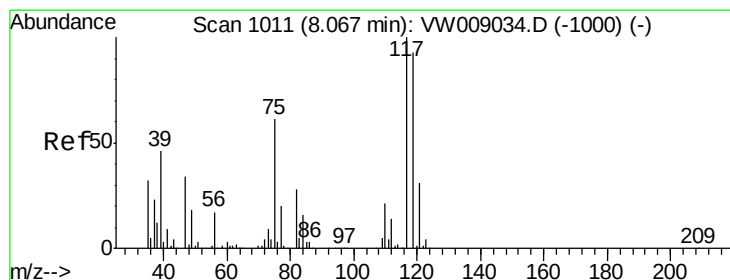
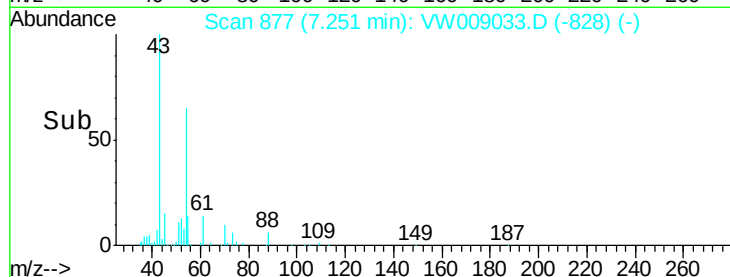
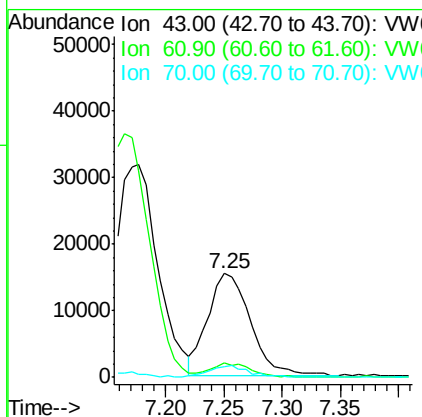
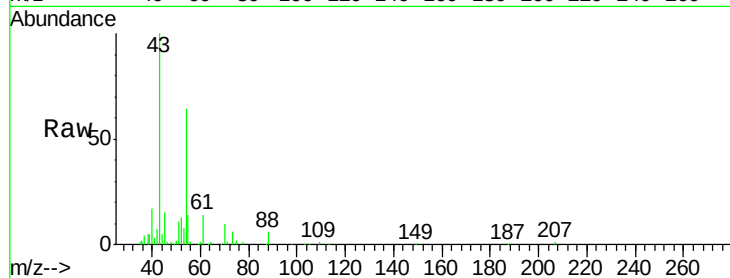
#37
Ethyl Acetate
Concen: 19.069 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	9.8	14.6
70	10.8	7.2	10.8#

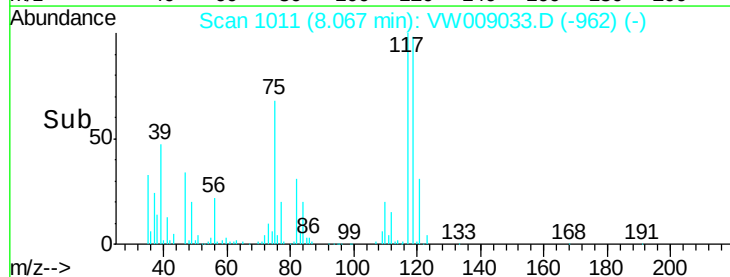
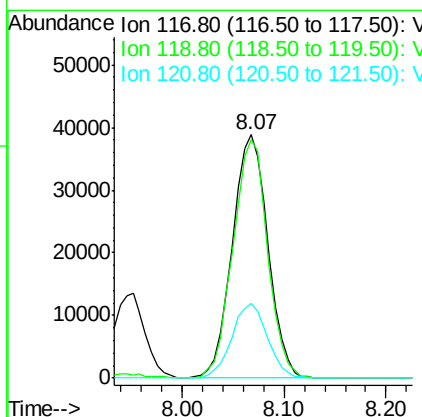
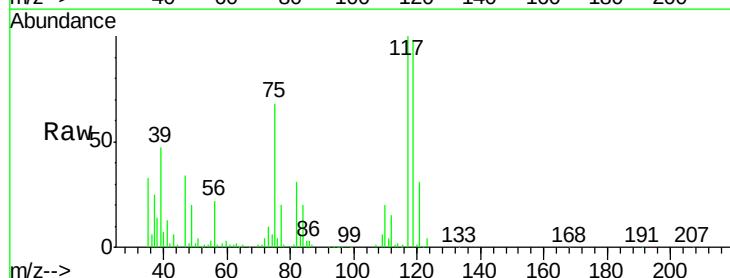
Manual Integrations
APPROVED

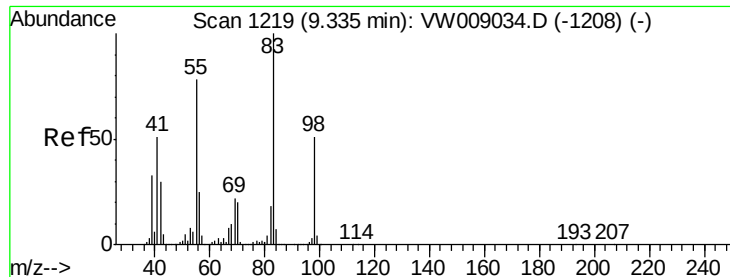
MMDadoda
3/8/2019 12:07:10 PM



#38
Carbon Tetrachloride
Concen: 20.639 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	74.6	112.0
121	30.6	24.7	37.1





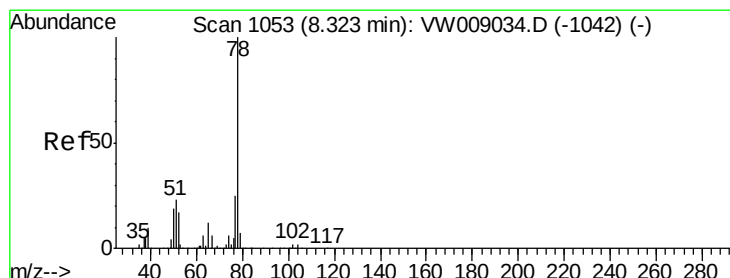
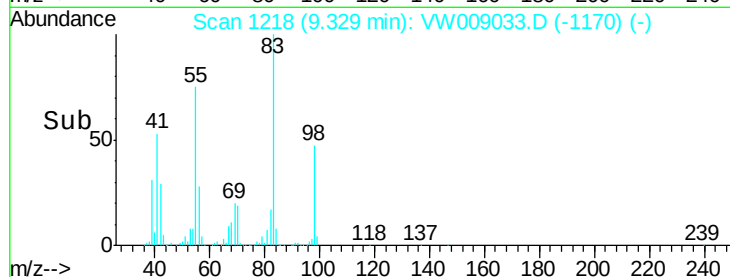
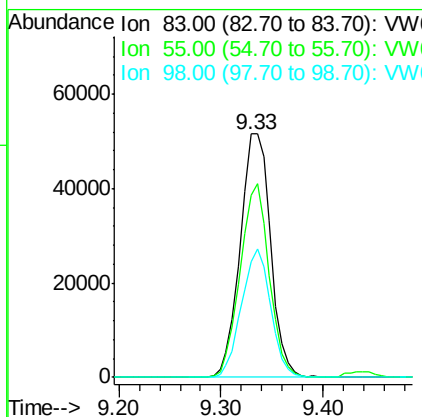
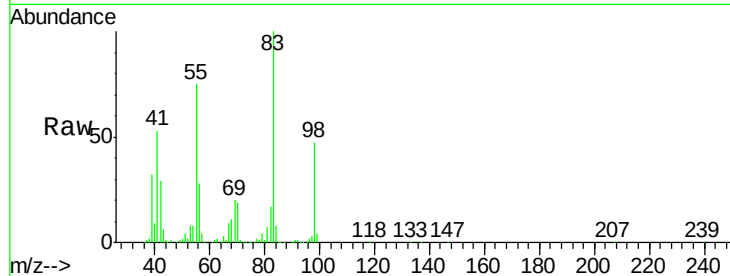
#39
Methylvlcyclohexane
Concen: 20.330 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	62.7	94.1
98	47.5	40.8	61.2

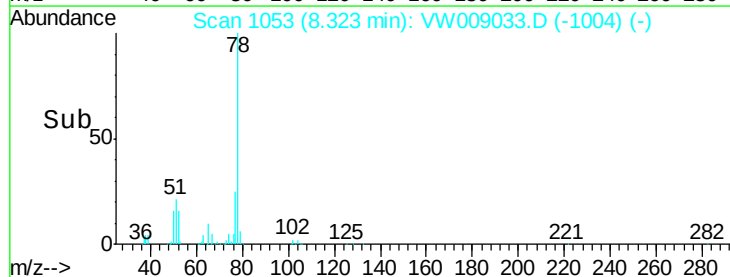
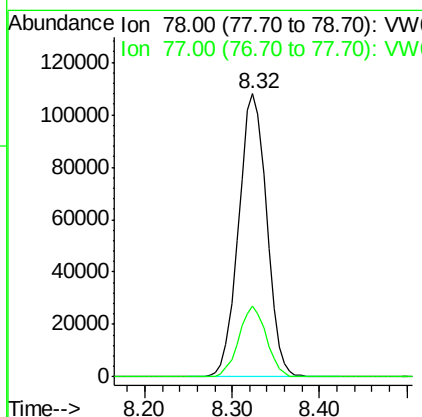
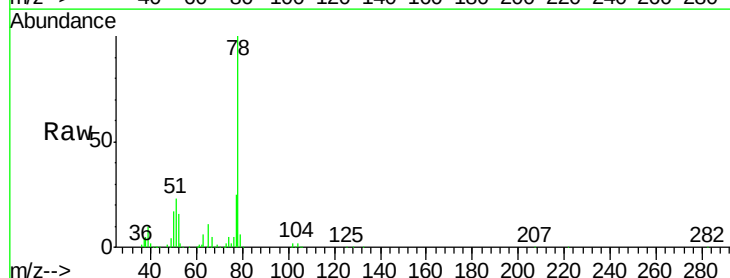
Manual Integrations
APPROVED

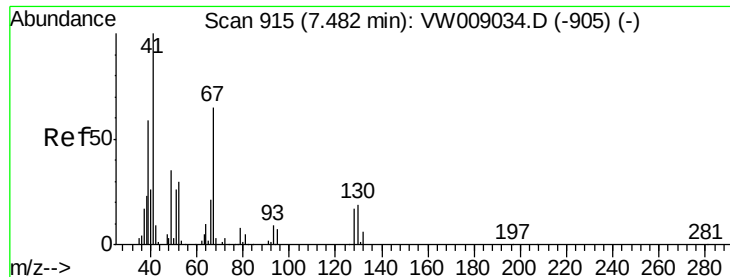
MMDadoda
3/8/2019 12:07:10 PM



#40
Benzene
Concen: 20.594 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	20.2	30.4





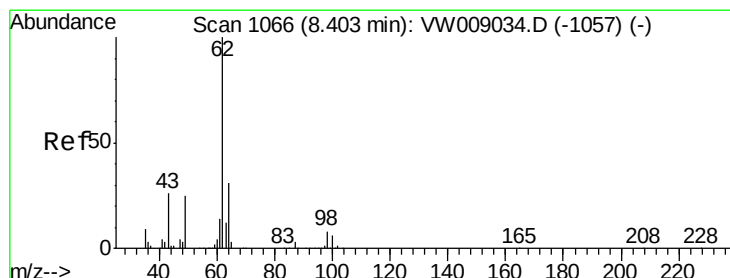
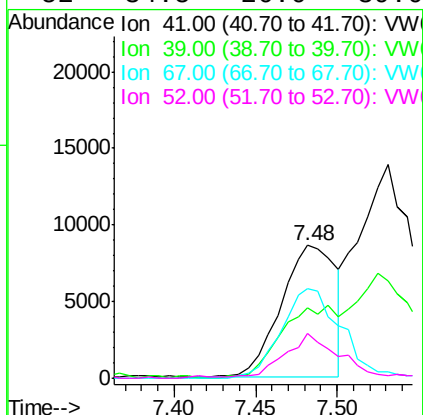
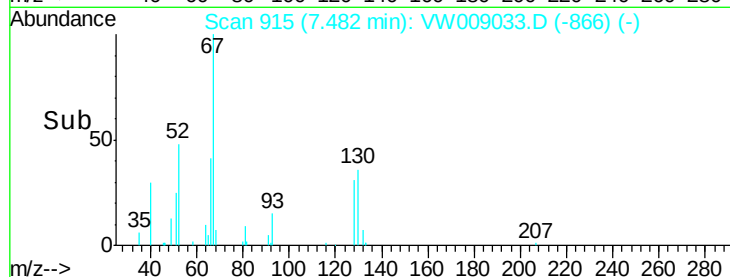
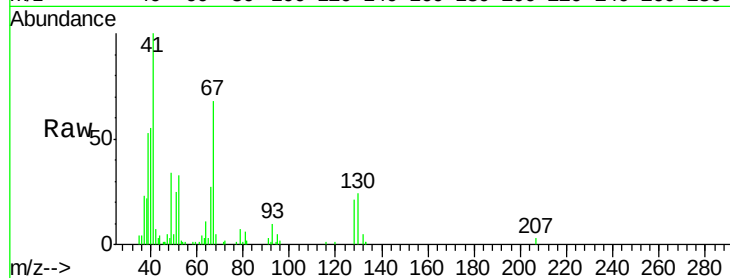
#41
Methacrylonitrile
Concen: 18.316 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.0	53.6	80.4	
67	74.7	57.6	86.4	
52	34.5	26.0	39.0	

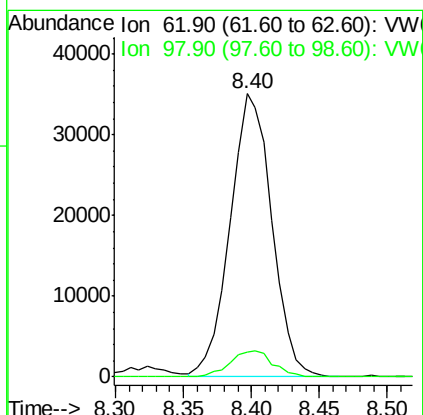
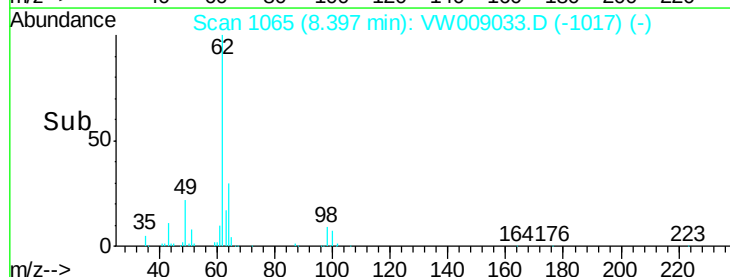
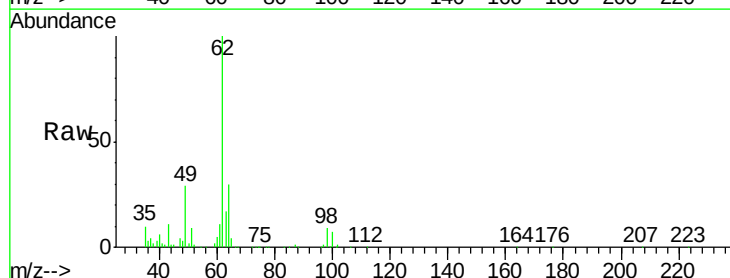
Manual Integrations
APPROVED

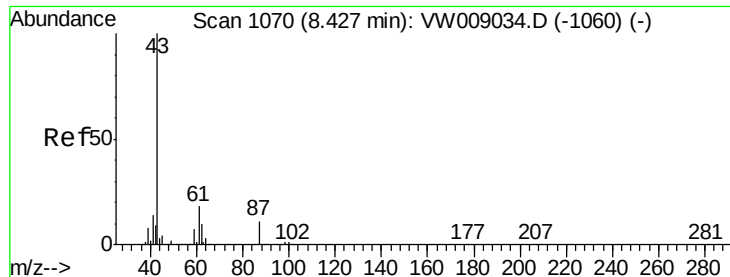
MMDadoda
3/8/2019 12:07:10 PM



#42
1,2-Dichloroethane
Concen: 19.679 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	17.6	





#43

Isopropyl Acetate

Concen: 18.976 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

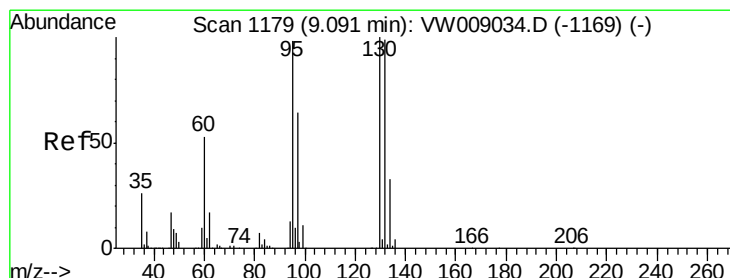
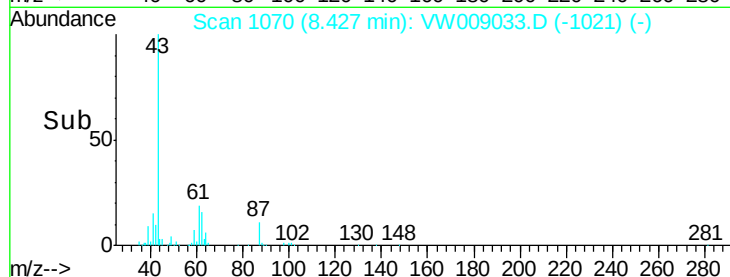
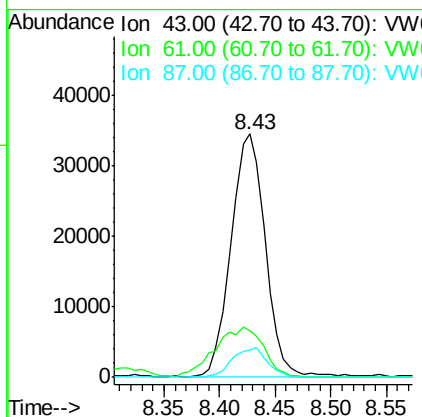
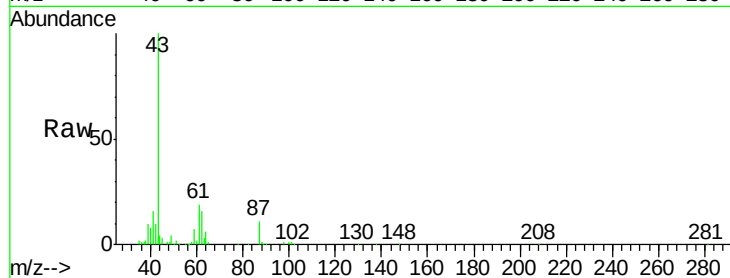
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	73393
Ion	Ratio	Lower	Upper
43	100		
61	29.6	22.8	34.2
87	12.5	9.4	14.2

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 PM



#44

Trichloroethene

Concen: 21.070 ug/l

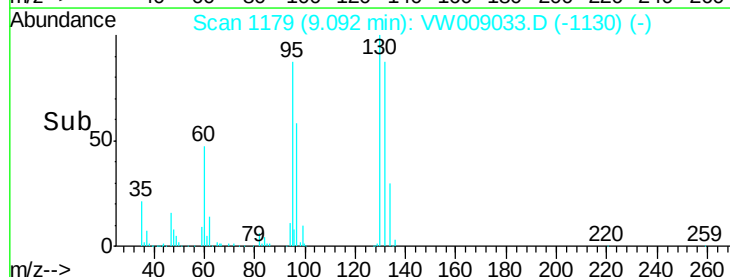
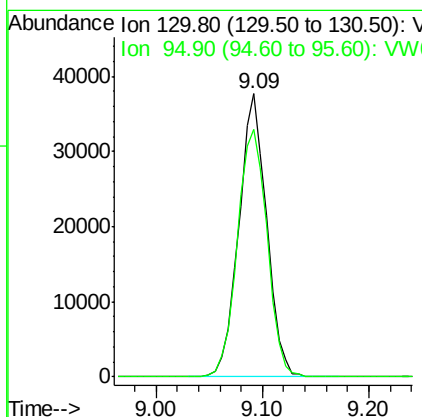
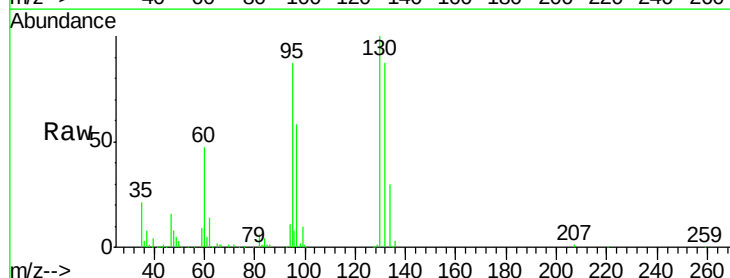
RT: 9.09 min Scan# 1179

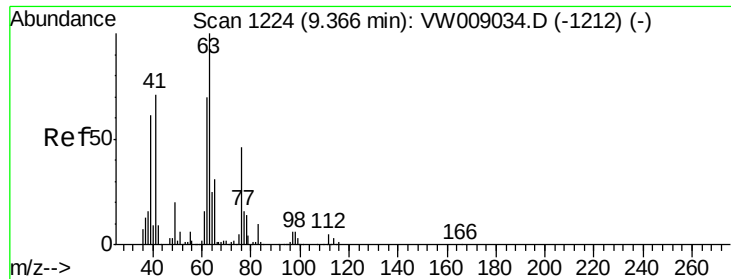
Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Tgt Ion:	130	Resp:	69322
Ion	Ratio	Lower	Upper
130	100		
95	87.3	0.0	197.0





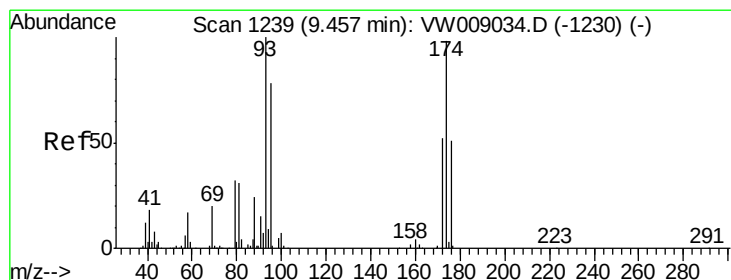
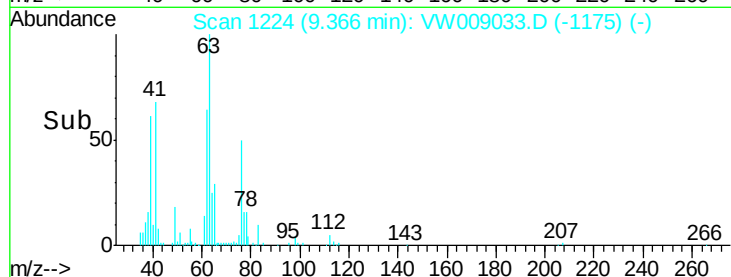
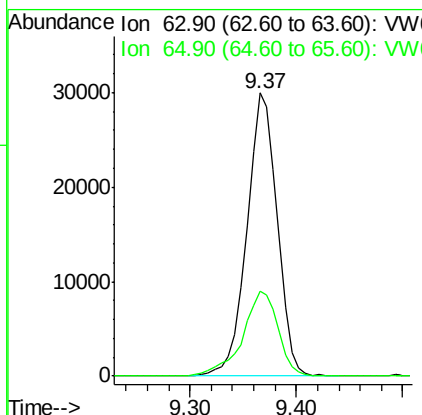
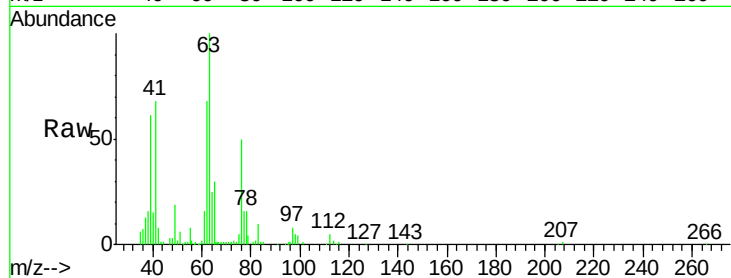
#45
 1,2-Dichloropropane
 Concen: 20.605 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.9	37.3

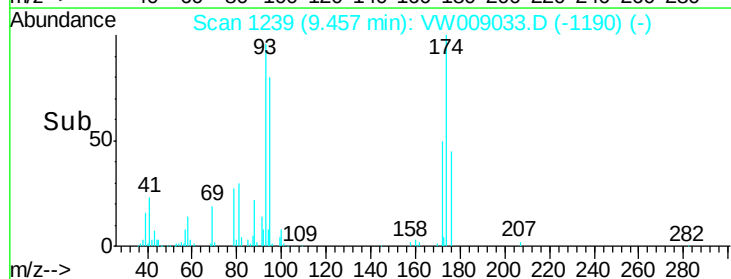
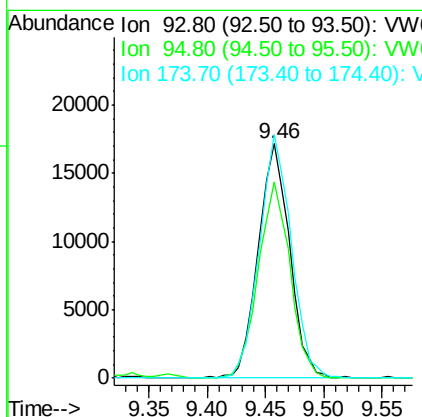
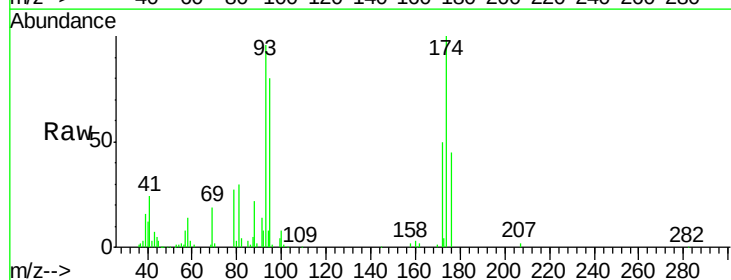
Manual Integrations
 APPROVED

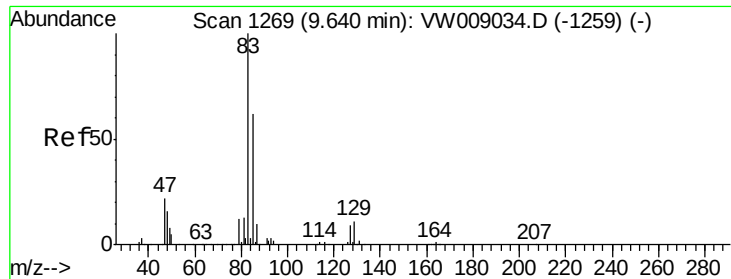
MMDadoda
 3/8/2019 12:07:10 PM



#46
 Dibromomethane
 Concen: 20.047 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	65.0	97.6
174	105.3	81.8	122.6





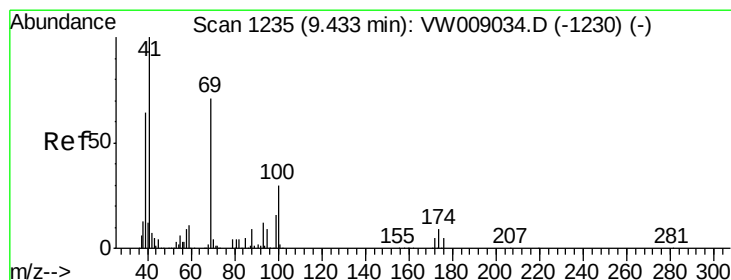
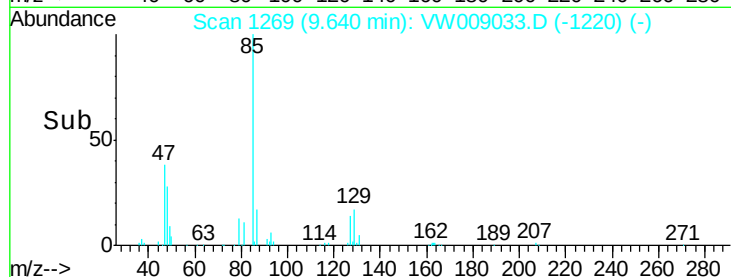
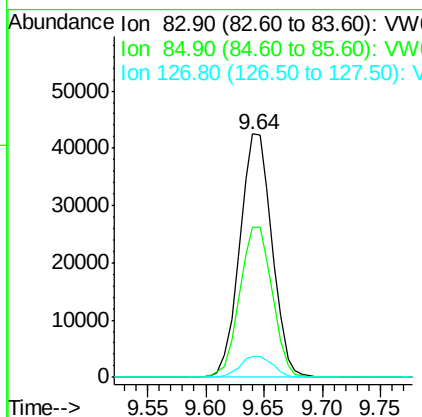
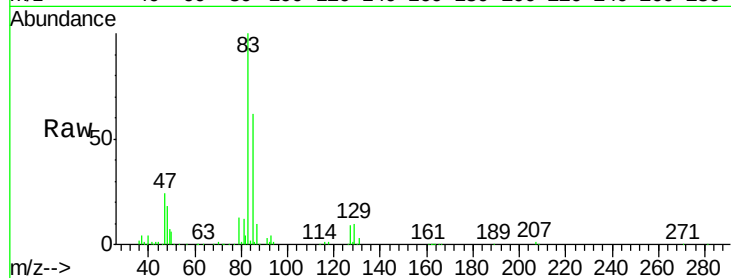
#47
Bromodichloromethane
Concen: 20.159 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.6	49.9	74.9
127	8.6	7.1	10.7

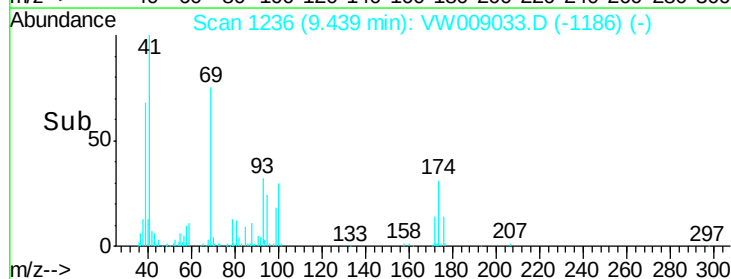
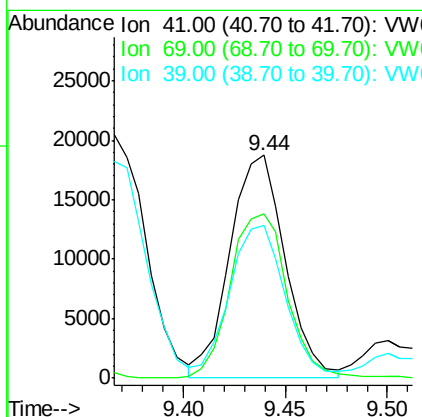
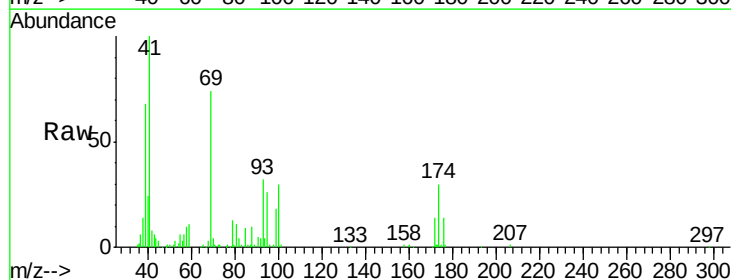
Manual Integrations
APPROVED

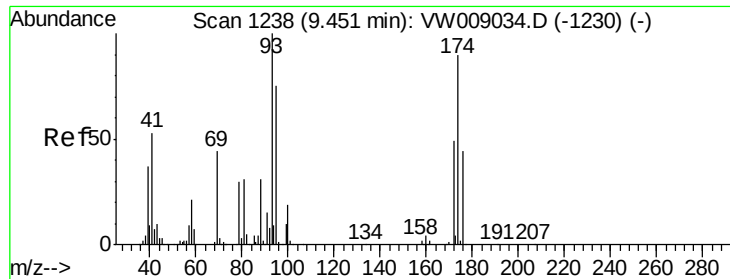
MMDadoda
3/8/2019 12:07:10 PM



#48
Methyl methacrylate
Concen: 19.196 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.0	59.1	88.7
39	63.4	48.9	73.3





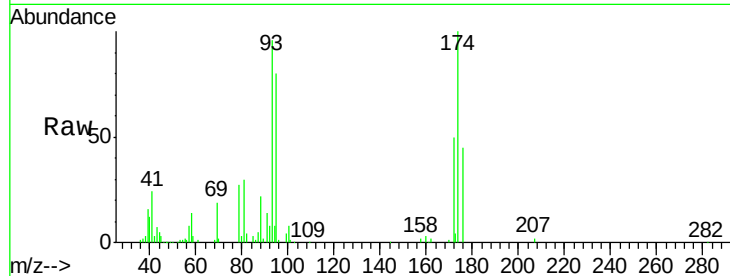
#49
1,4-Dioxane
Concen: 350.709 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

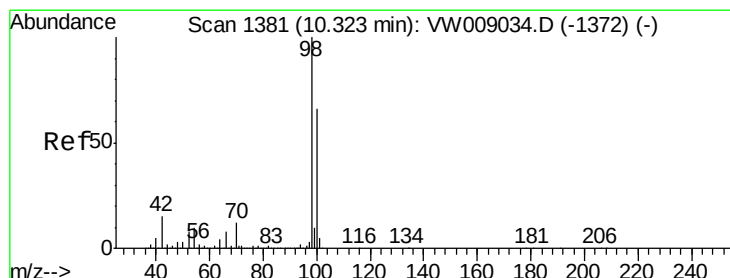
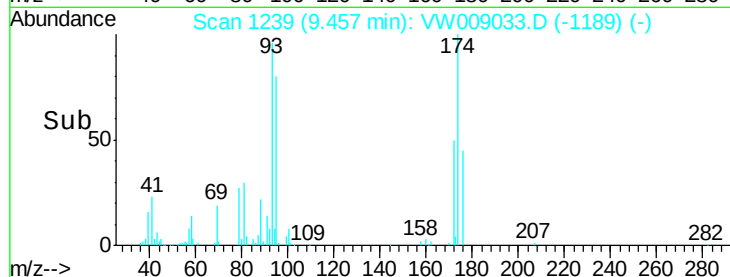
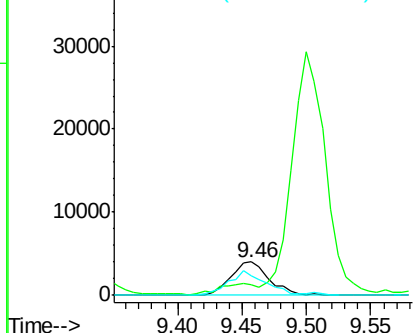
Tot Ion	88	Resp	8325
Ion	Ratio	Lower	Upper
88	100		
43	33.5	29.0	43.4
58	73.1	59.2	88.8

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 PM

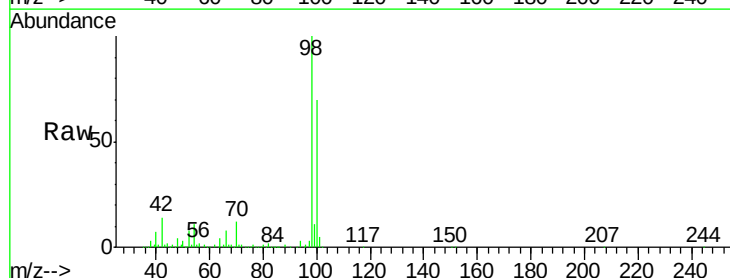


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

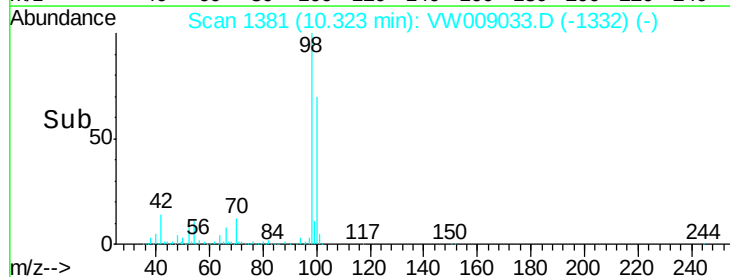
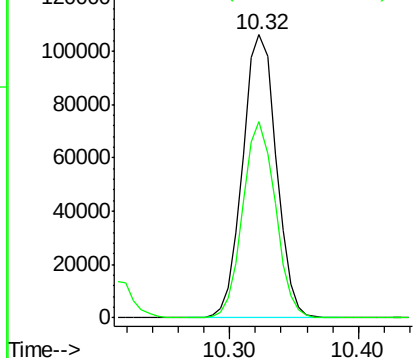


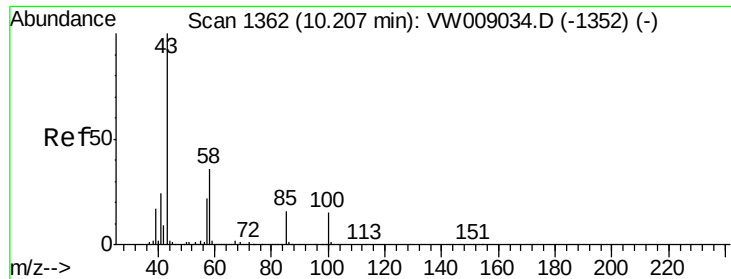
#50
Toluene-d8
Concen: 18.030 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion	98	Resp	191289
Ion	Ratio	Lower	Upper
98	100		
100	67.3	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 93.301 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 183927

Ion Ratio Lower Upper

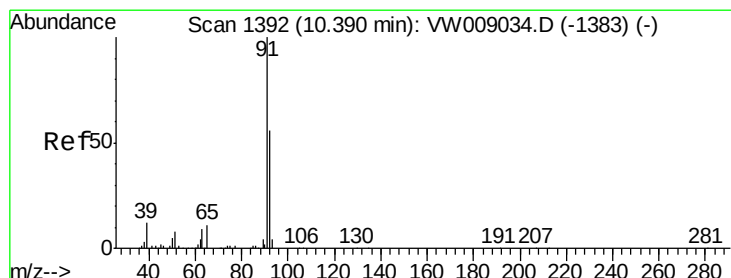
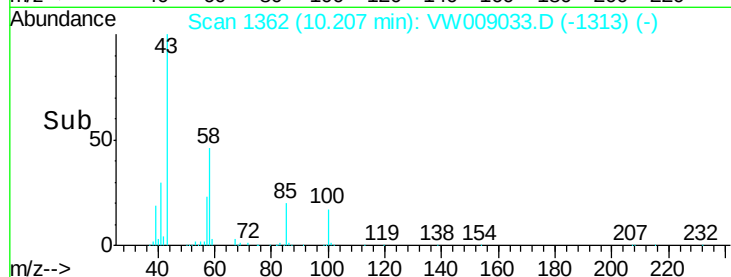
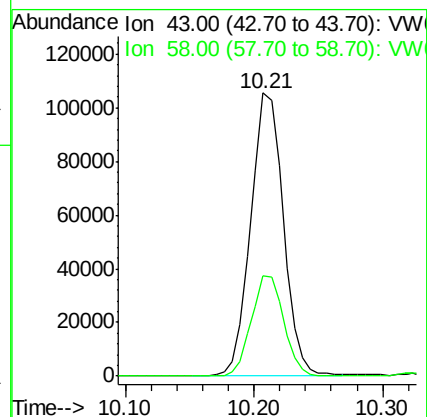
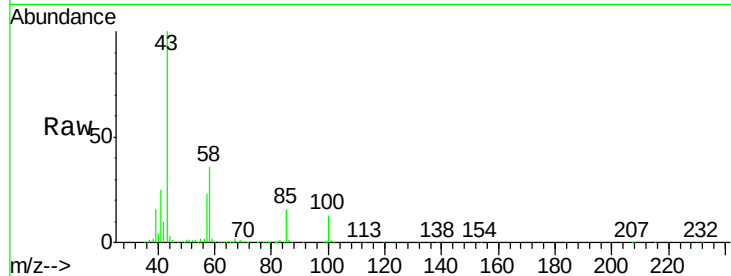
43 100

58 35.4 28.8 43.2

Manual Integrations
APPROVED

MMDadoda

3/8/2019 12:07:10 PM



#52

Toluene

Concen: 19.625 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009033.D

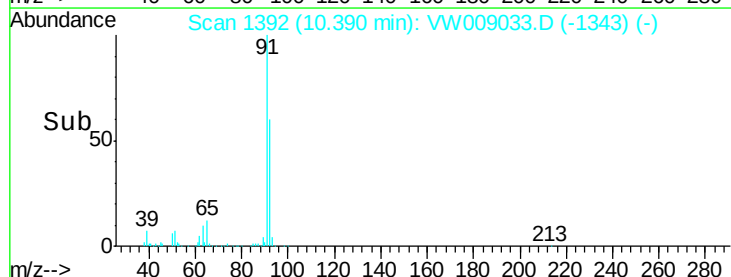
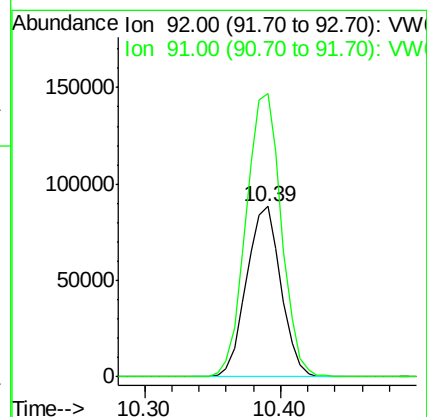
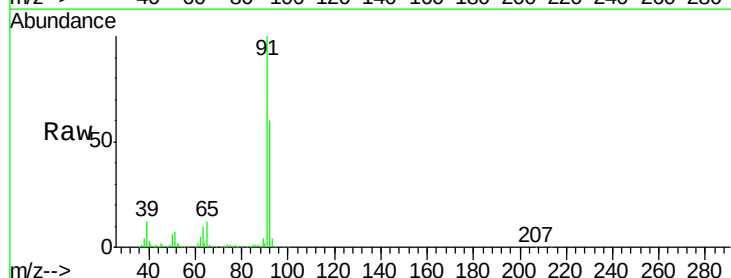
Acq: 07 Mar 2019 11:46

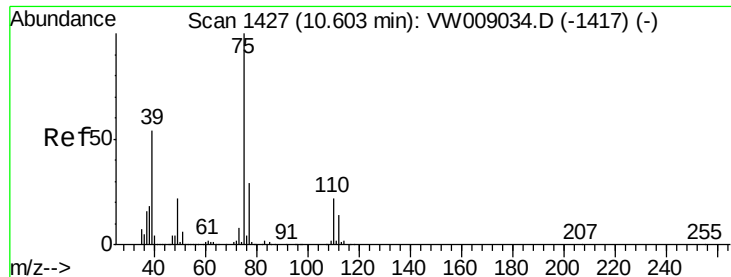
Tgt Ion: 92 Resp: 156645

Ion Ratio Lower Upper

92 100

91 170.5 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 19.984 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 80989

Ion Ratio Lower Upper

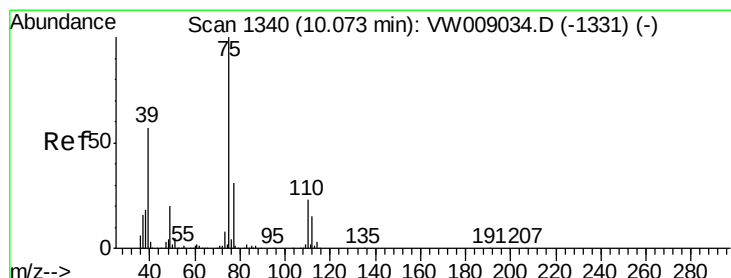
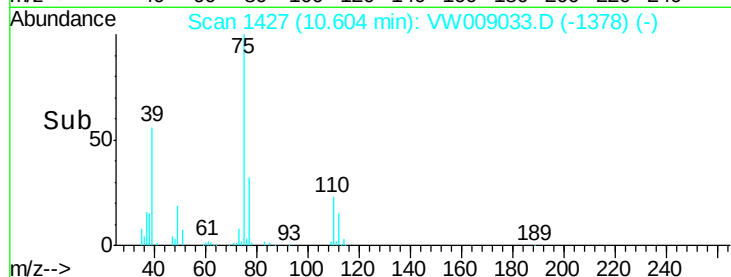
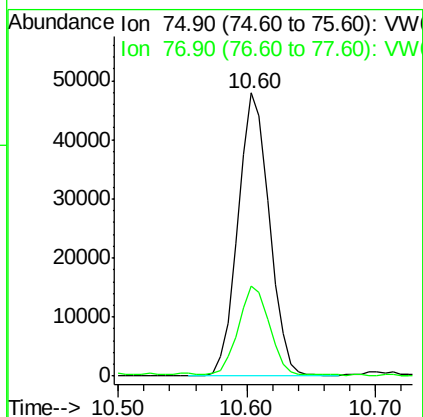
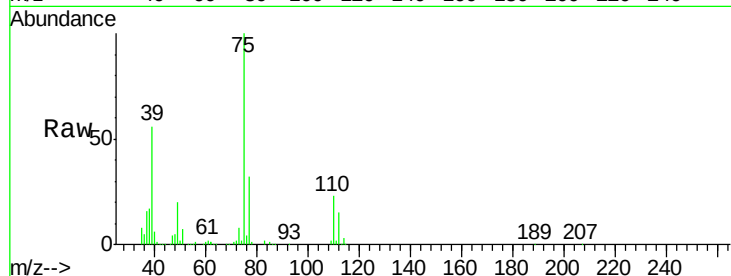
75 100

77 31.4 23.6 35.4

Manual Integrations
APPROVED

MMDadoda

3/8/2019 12:07:10 PM



#54

cis-1,3-Dichloropropene

Concen: 20.426 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

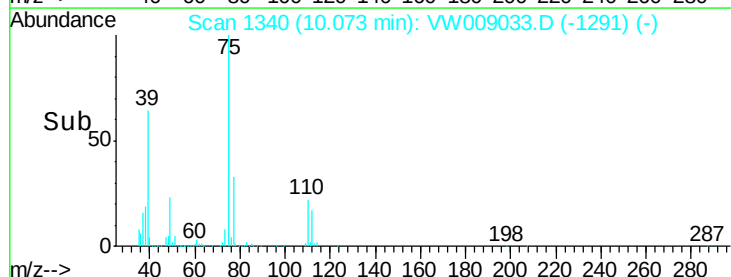
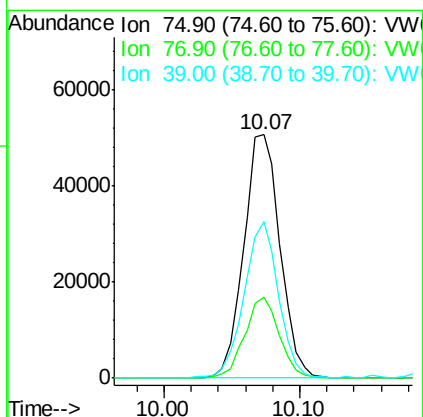
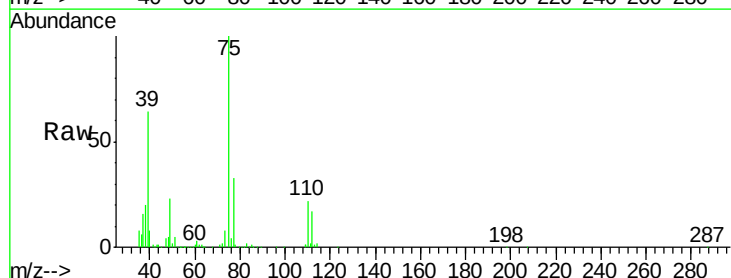
Tgt Ion: 75 Resp: 94451

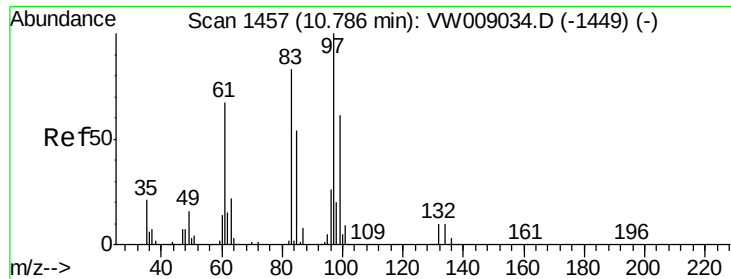
Ion Ratio Lower Upper

75 100

77 33.4 24.6 36.8

39 63.9 45.9 68.9





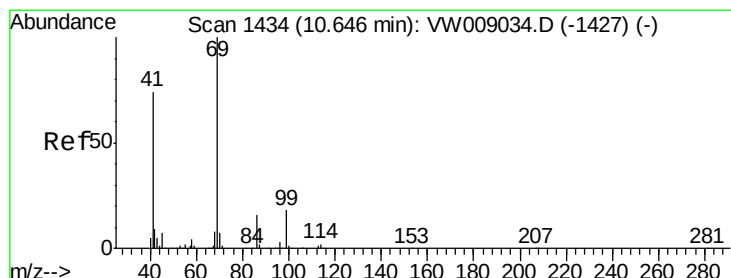
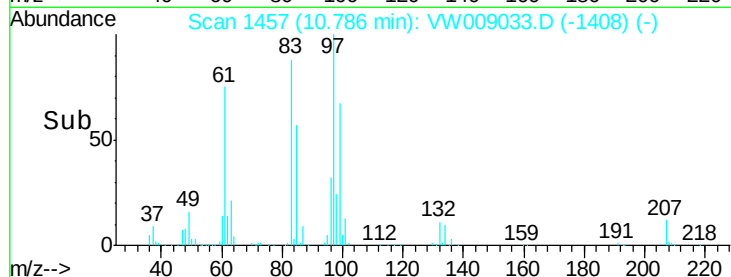
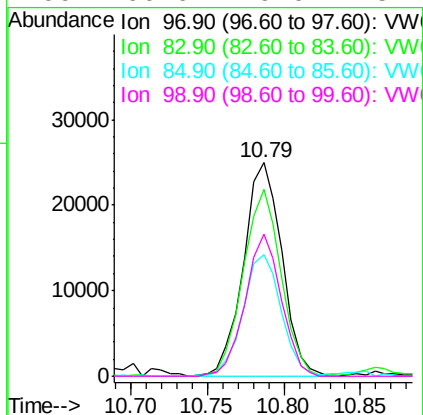
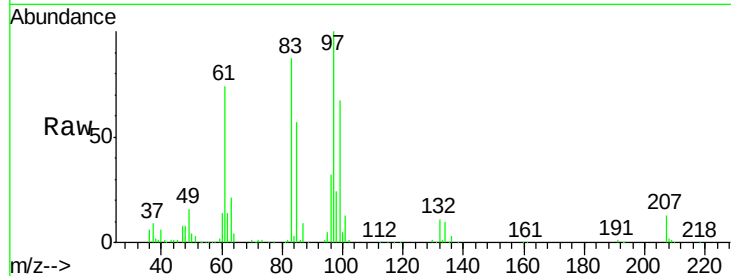
#55
 1,1,2-Trichloroethane
 Concen: 19.936 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	43682
Ion	Ratio	Lower	Upper
97	100		
83	87.4	66.2	99.2
85	56.9	43.6	65.4
99	66.6	49.0	73.4

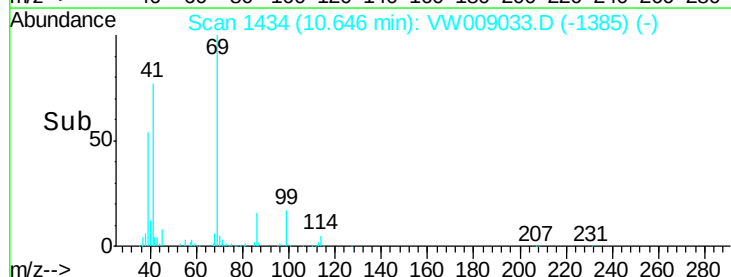
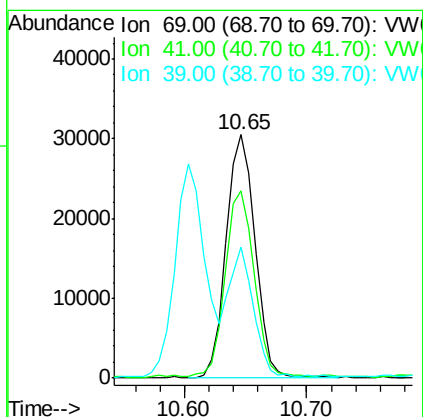
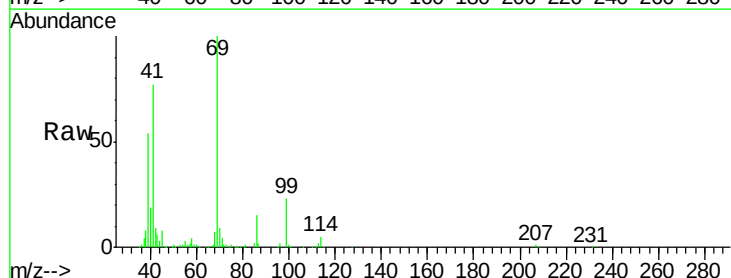
Manual Integrations
 APPROVED

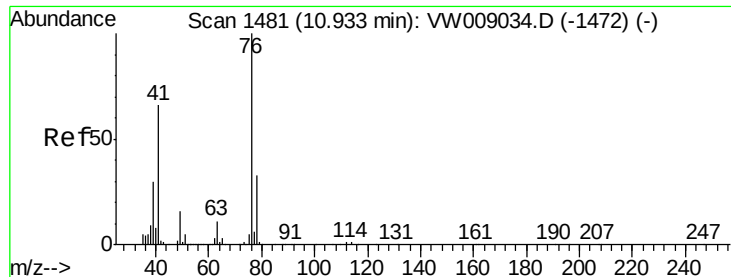
MMDadoda
 3/8/2019 12:07:10 PM



#56
 Ethyl methacrylate
 Concen: 18.075 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion:	69	Resp:	49661
Ion	Ratio	Lower	Upper
69	100		
41	76.3	59.4	89.2
39	45.4	38.5	57.7





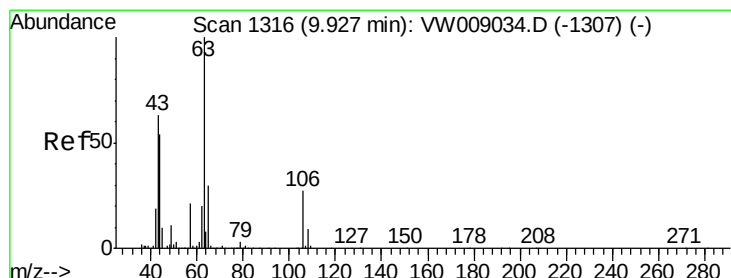
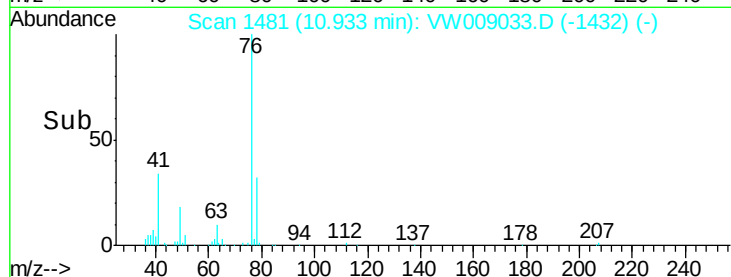
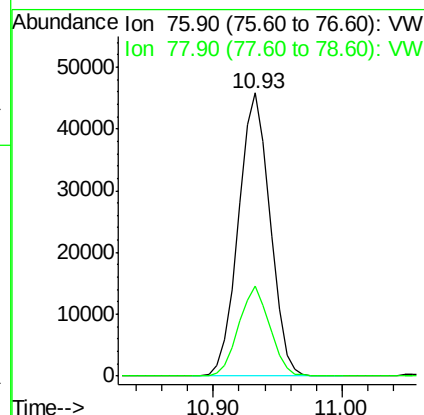
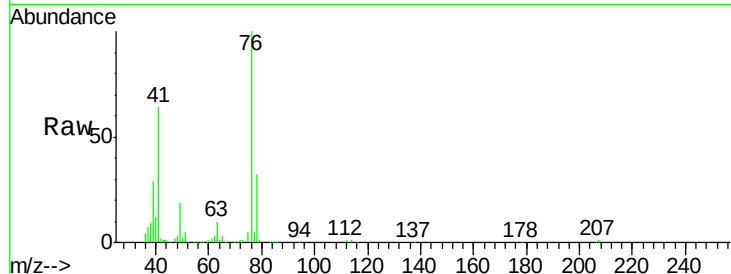
#57
 1,3-Dichloropropane
 Concen: 20.037 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion: 76 Resp: 77937
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.7 38.5

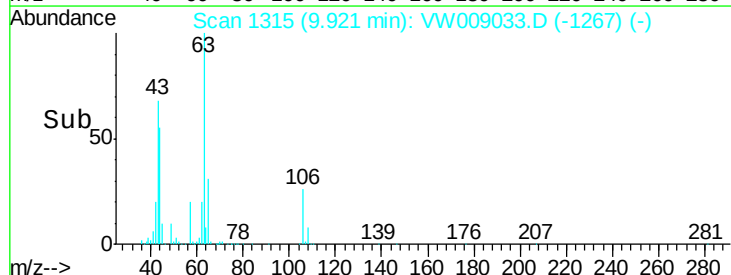
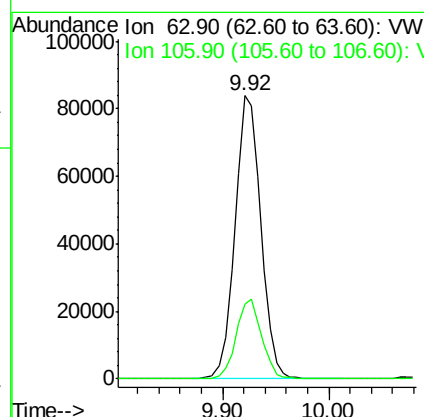
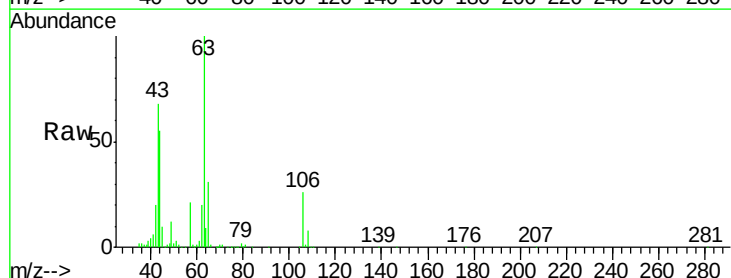
Manual Integrations
 APPROVED

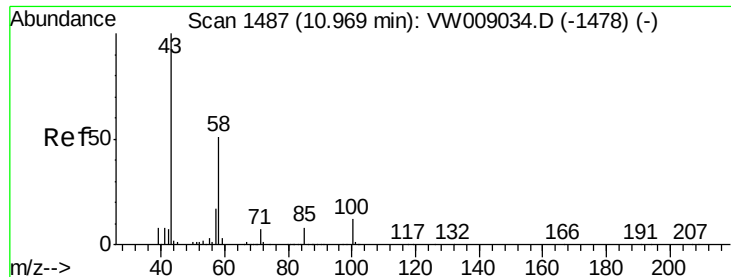
MMDadoda
 3/8/2019 12:07:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.971 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion: 63 Resp: 142712
 Ion Ratio Lower Upper
 63 100
 106 27.8 23.0 34.6





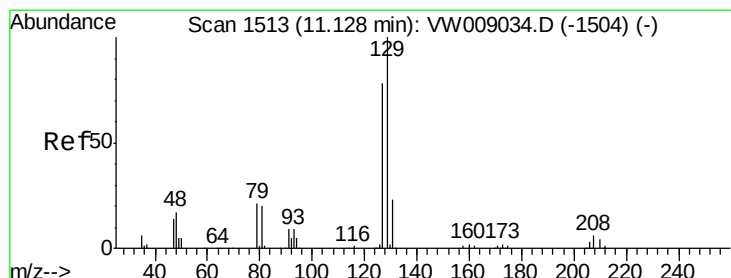
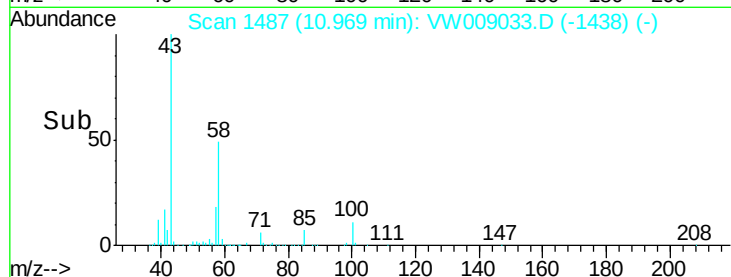
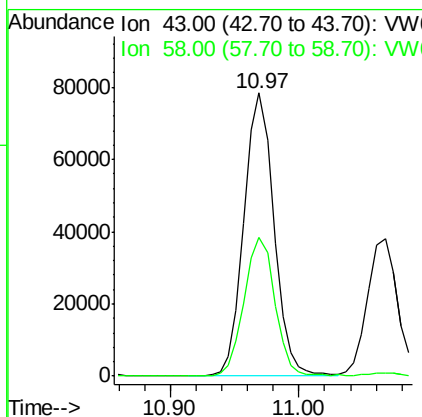
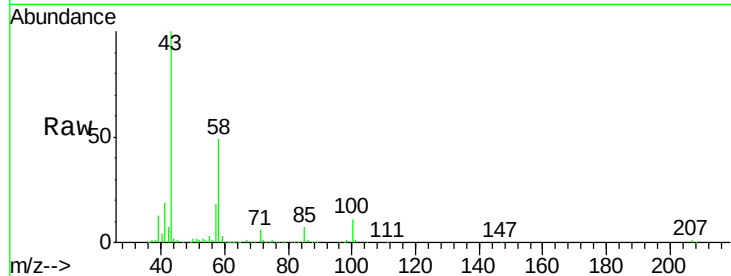
#59
2-Hexanone
Concen: 91.151 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 126860
Ion Ratio Lower Upper
43 100
58 50.2 25.3 75.9

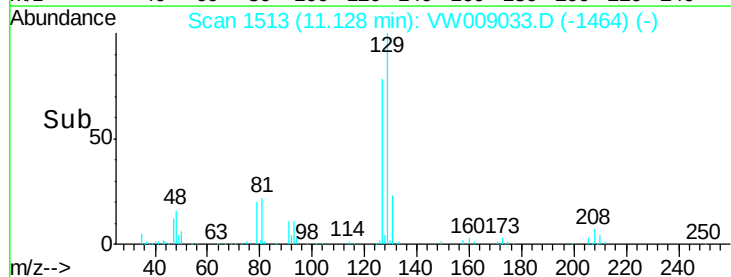
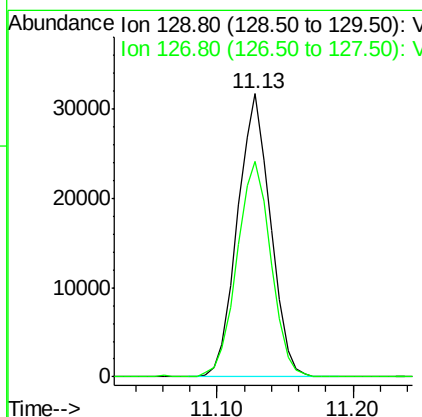
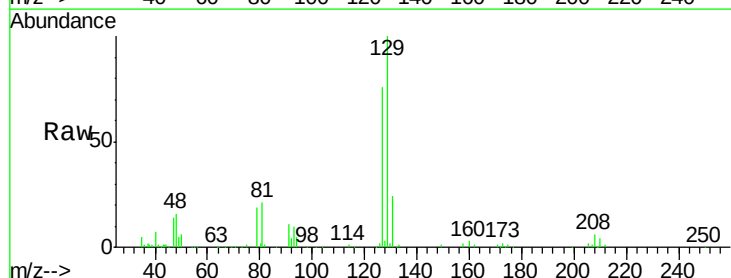
Manual Integrations
APPROVED

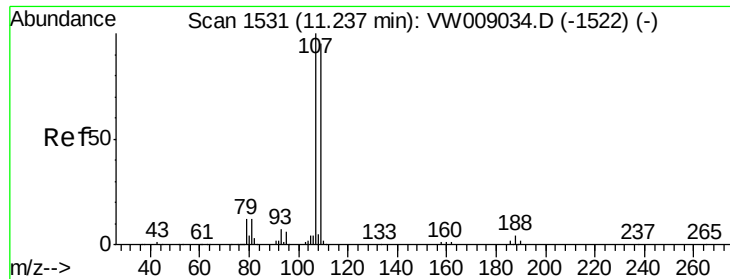
MMDadoda
3/8/2019 12:07:10 PM



#60
Dibromochloromethane
Concen: 19.964 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion: 129 Resp: 53743
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.812 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:107 Resp: 42187

Ion Ratio Lower Upper

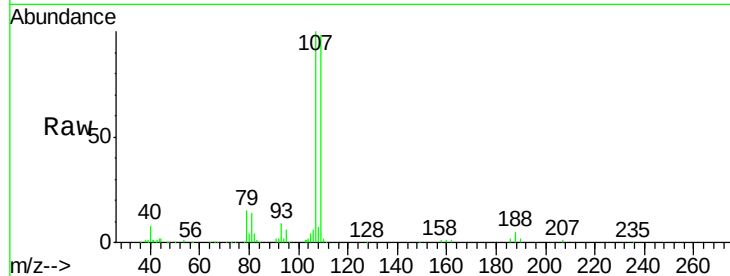
107 100

109 93.8 74.7 112.1

Manual Integrations
APPROVED

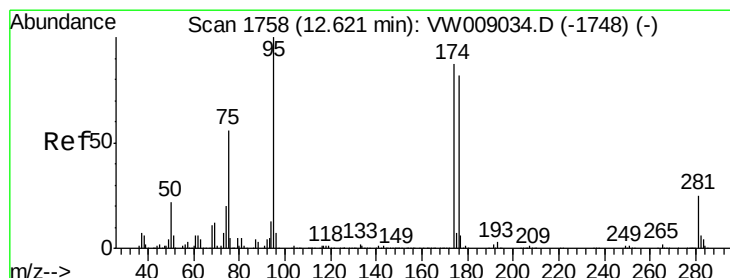
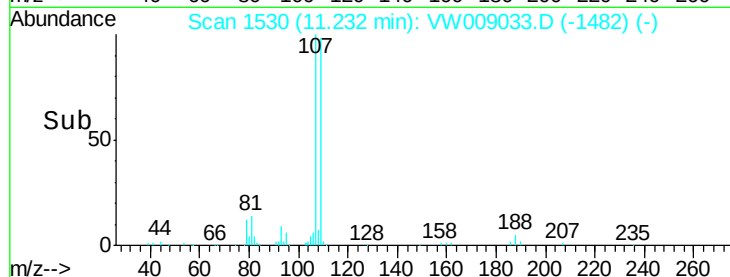
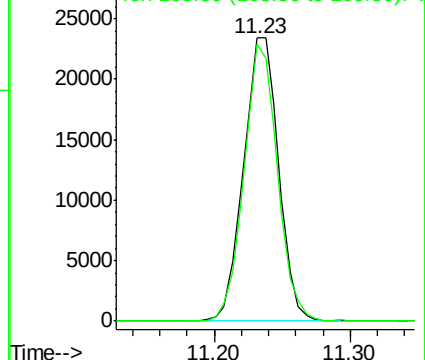
MMDadoda

3/8/2019 12:07:10 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.062 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

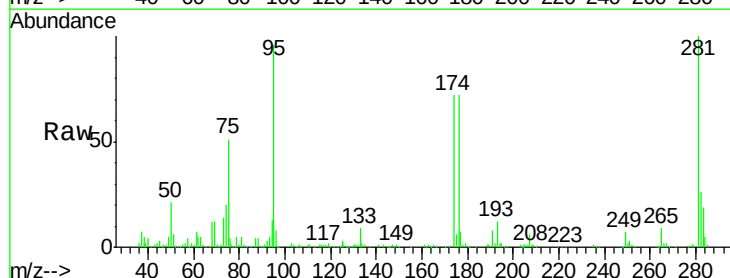
Tgt Ion: 95 Resp: 75332

Ion Ratio Lower Upper

95 100

174 83.8 0.0 167.0

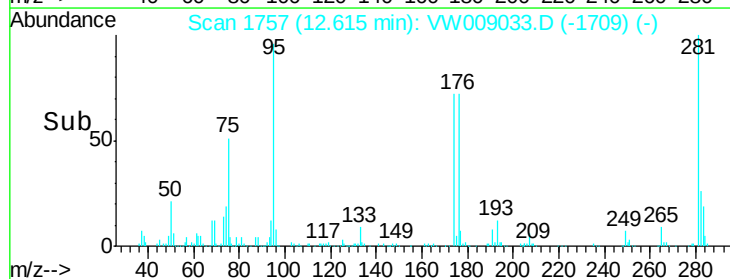
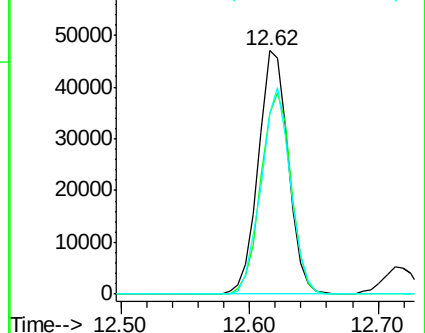
176 82.7 0.0 159.4

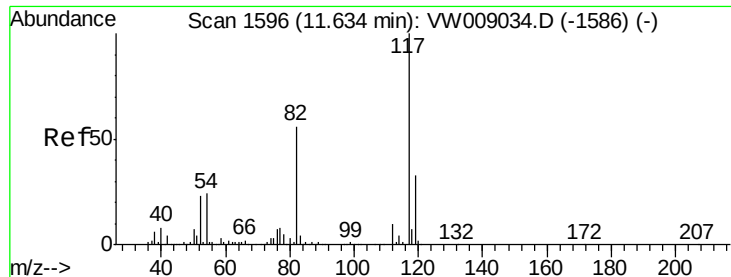


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





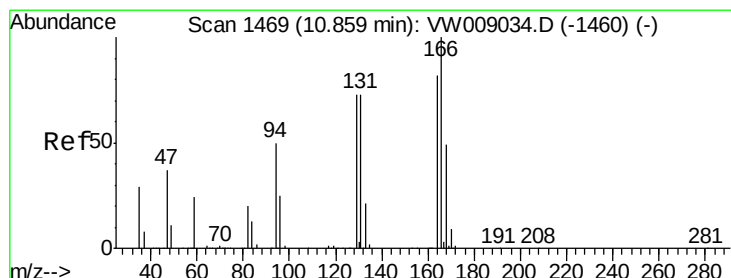
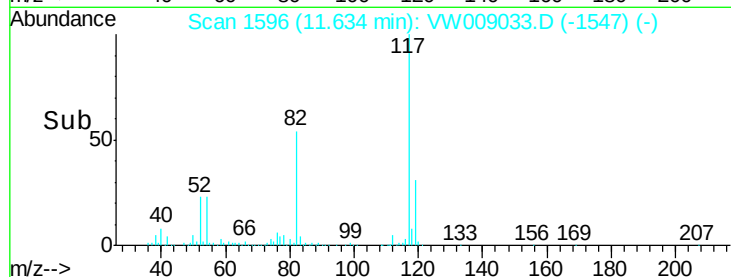
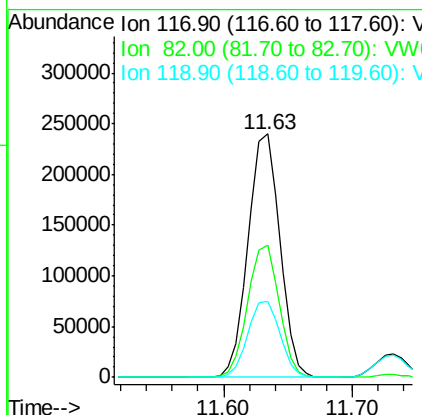
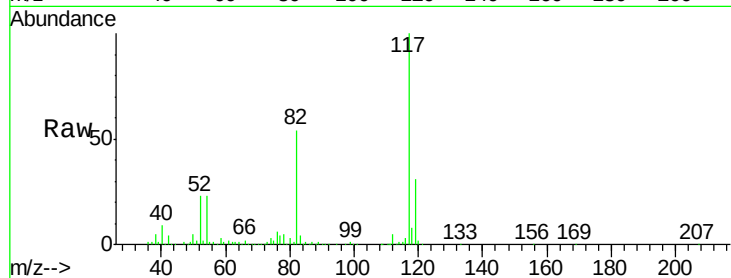
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	407991		
82	54.4	45.0	67.6	
119	31.2	26.6	39.8	

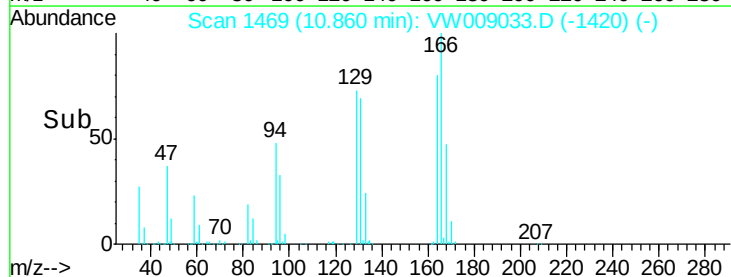
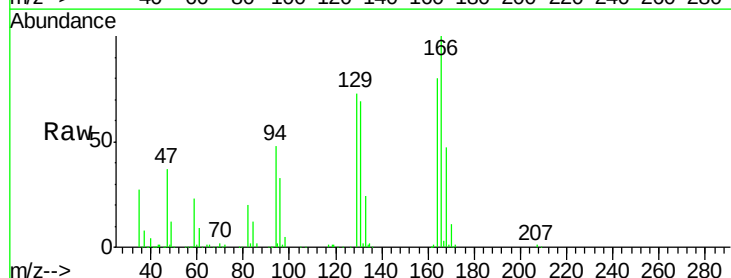
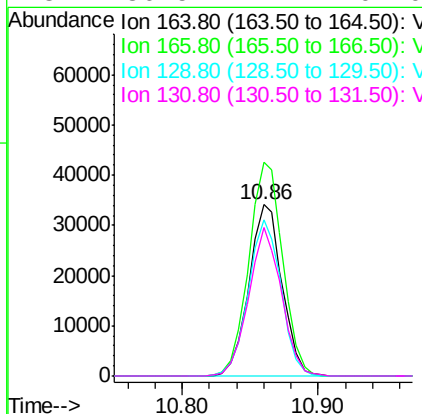
Manual Integrations
APPROVED

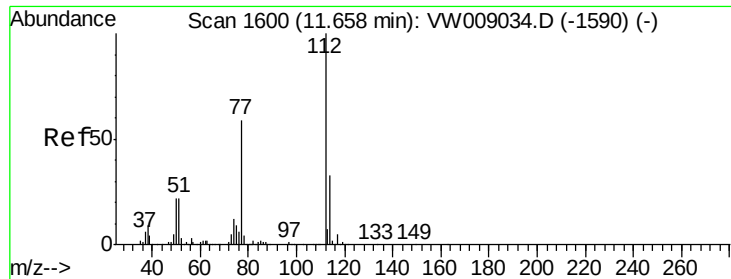
MMDadoda
3/8/2019 12:07:10 PM



#64
Tetrachloroethene
Concen: 19.664 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58246		
166	124.9	97.8	146.6	
129	91.1	71.6	107.4	
131	86.5	71.4	107.0	





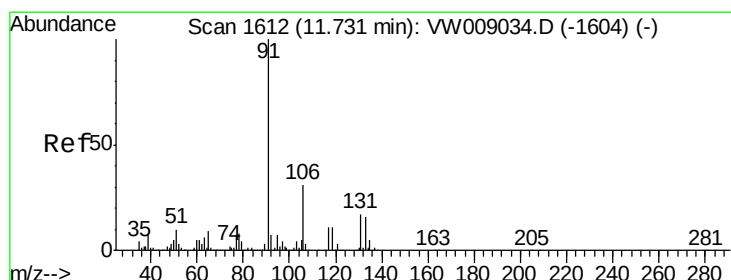
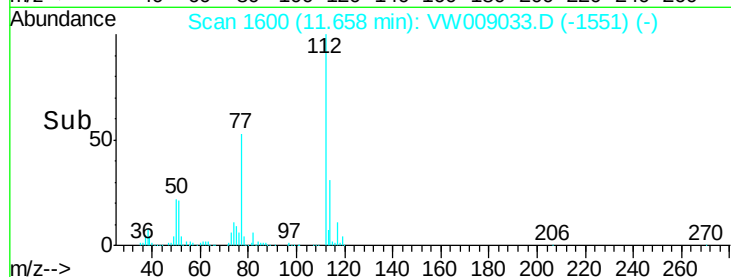
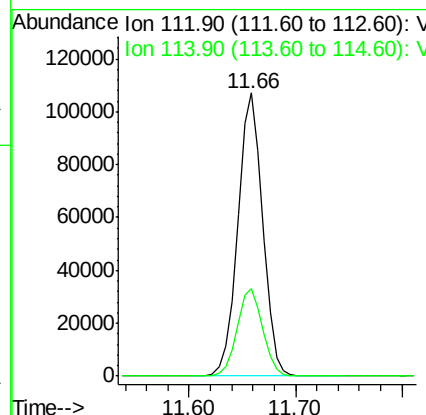
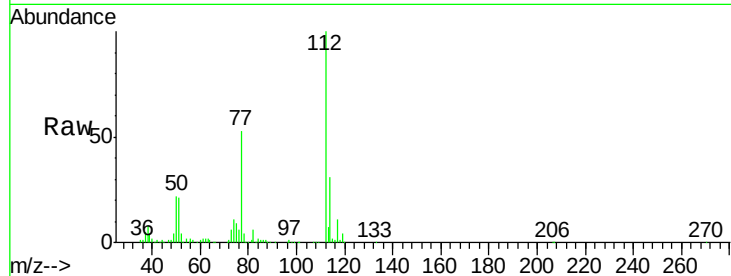
#65
Chlorobenzene
Concen: 19.904 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 174943
Ion Ratio Lower Upper
112 100
114 30.9 26.6 40.0

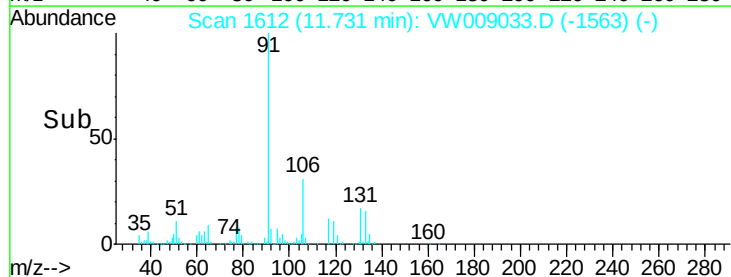
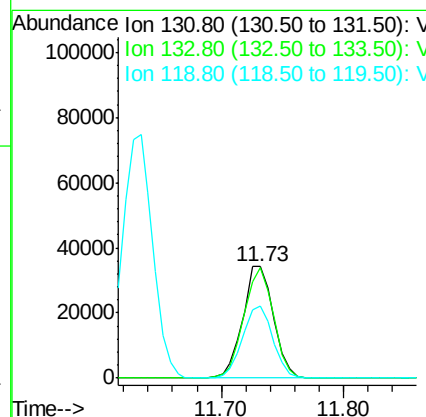
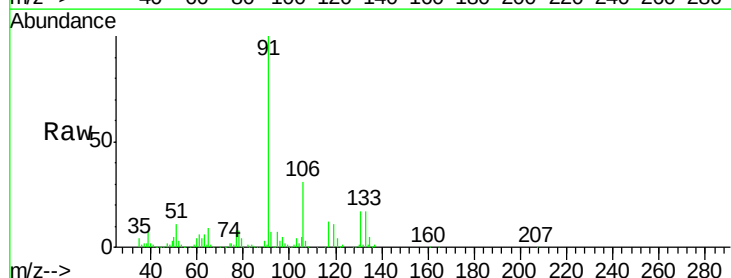
Manual Integrations
APPROVED

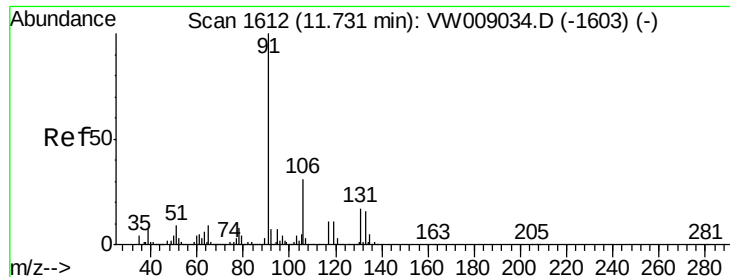
MMDadoda
3/8/2019 12:07:10 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.347 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion:131 Resp: 59625
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.8
119 64.0 31.3 93.8





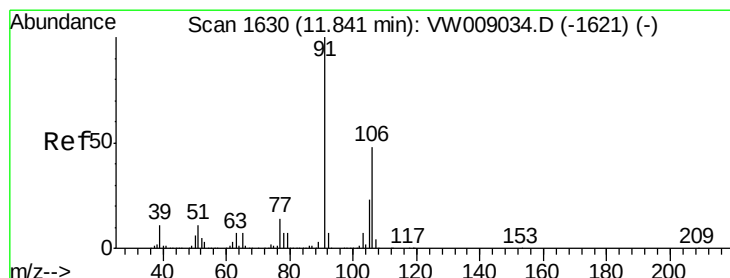
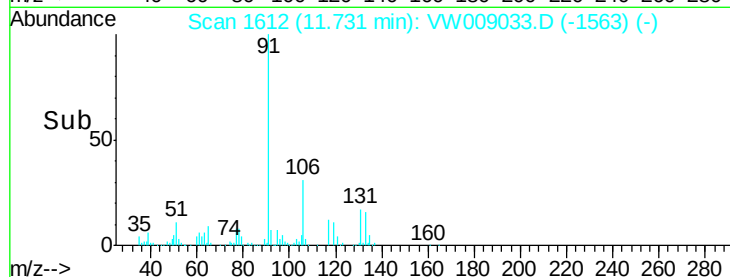
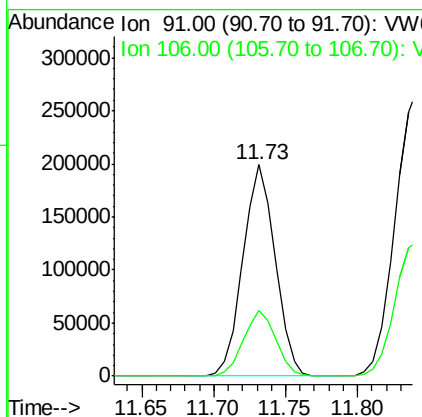
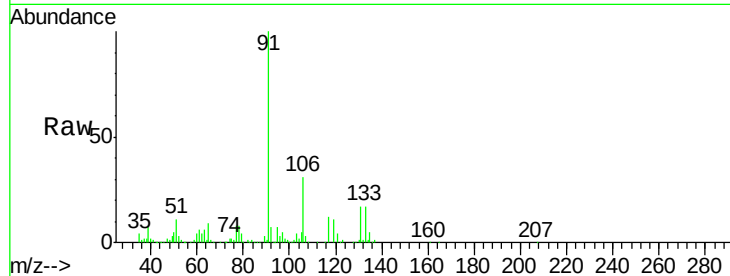
#67
Ethyl Benzene
Concen: 19.584 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 309273
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4

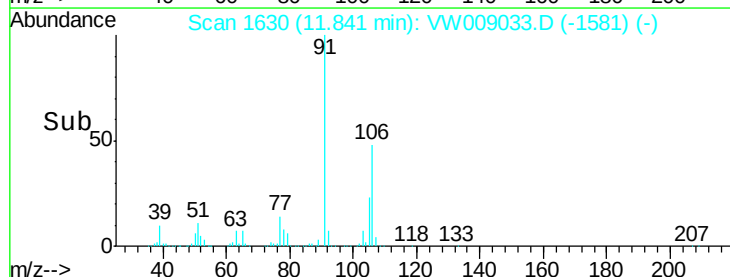
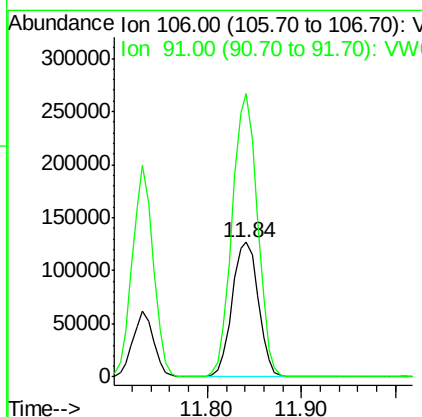
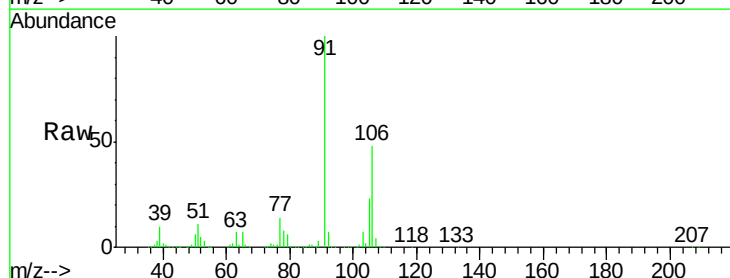
Manual Integrations
APPROVED

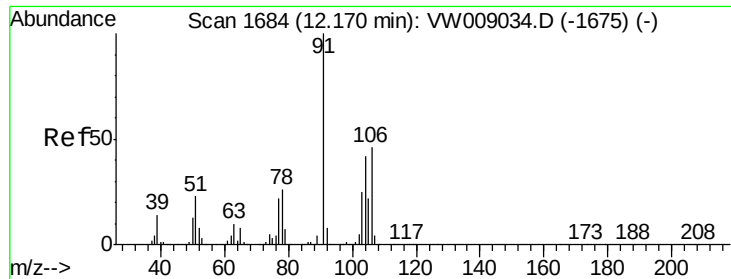
MMDadoda
3/8/2019 12:07:10 PM



#68
m/p-Xylenes
Concen: 39.376 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion: 106 Resp: 245757
Ion Ratio Lower Upper
106 100
91 203.0 163.2 244.8





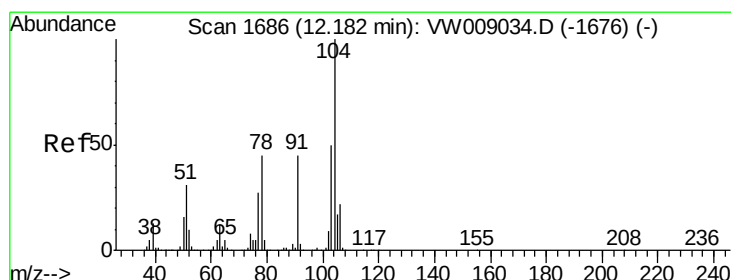
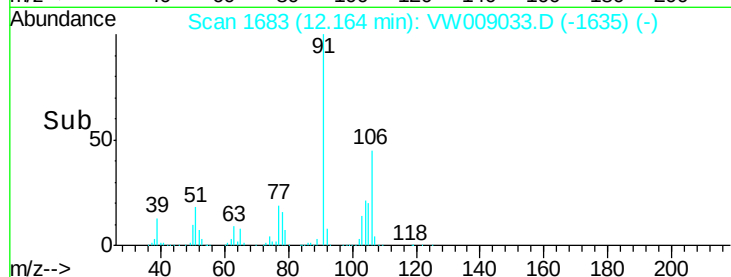
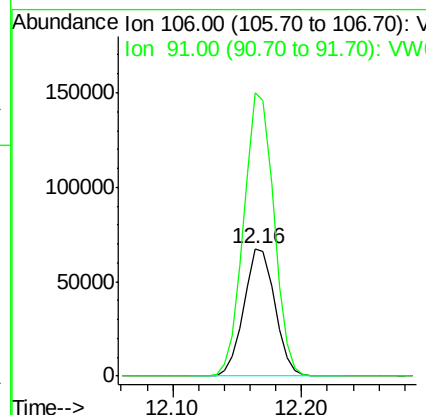
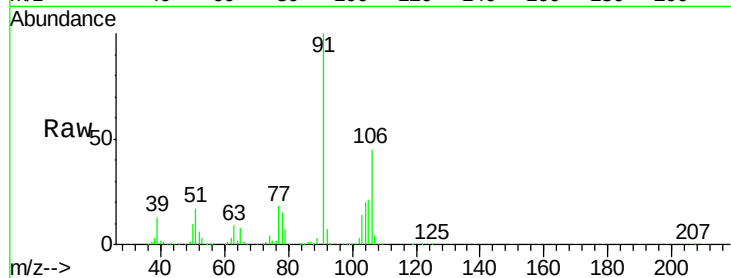
#69
o-Xylene
Concen: 19.303 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	112315		
91	91	216.5	108.6	325.6	

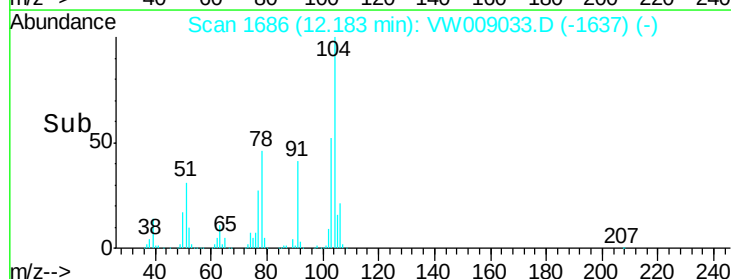
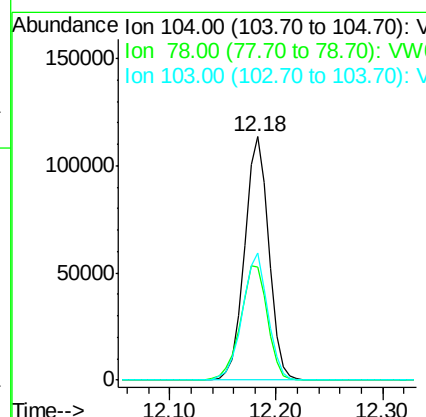
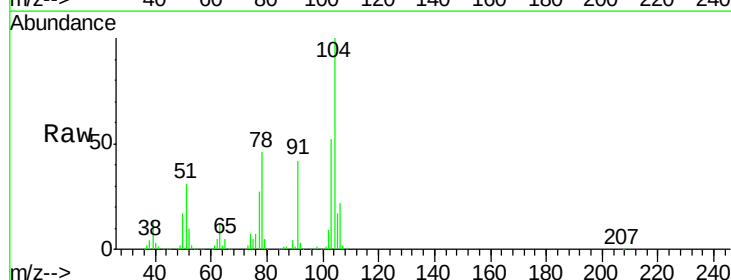
Manual Integrations
APPROVED

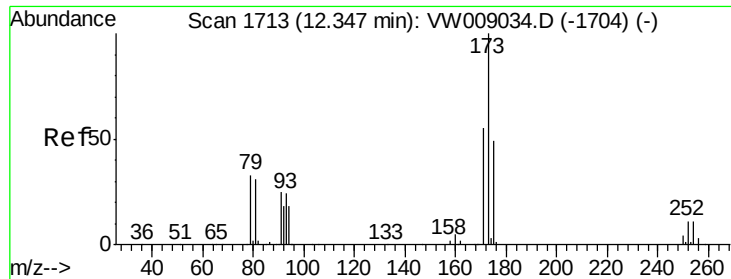
MMDadoda
3/8/2019 12:07:10 PM



#70
Styrene
Concen: 19.193 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	181806		
78	78	52.3	42.1	63.1	
103	103	54.8	43.9	65.9	





#71

Bromoform

Concen: 19.269 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 30618

Ion Ratio Lower Upper

173 100

175 48.3 24.6 74.0

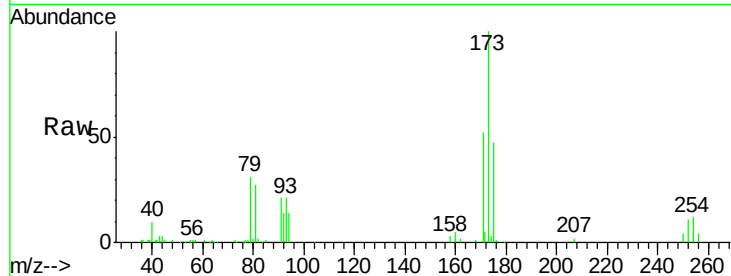
254 0.2 0.0 0.0#

Manual Integrations

APPROVED

MMDadoda

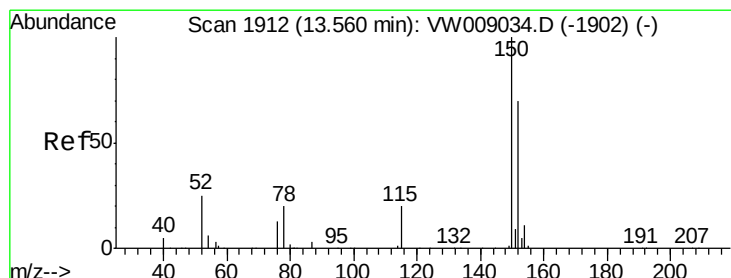
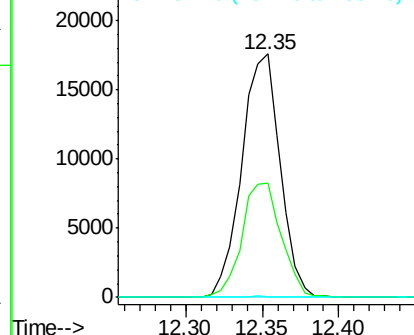
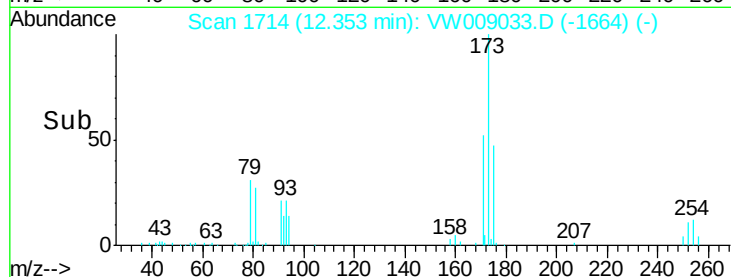
3/8/2019 12:07:10 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

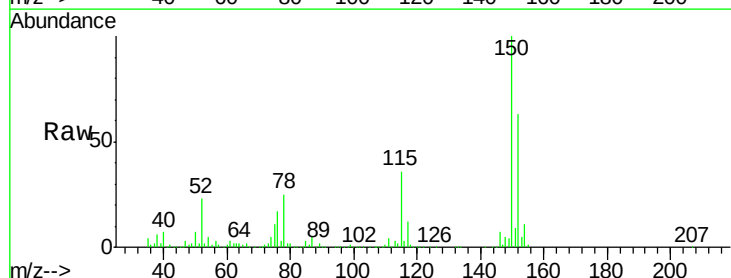
Tgt Ion:152 Resp: 222406

Ion Ratio Lower Upper

152 100

115 57.3 28.9 86.7

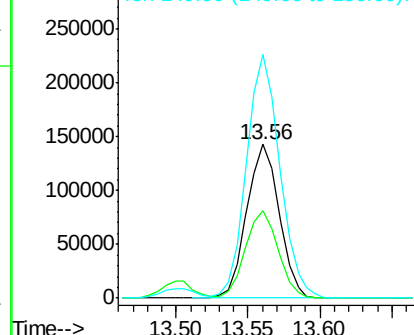
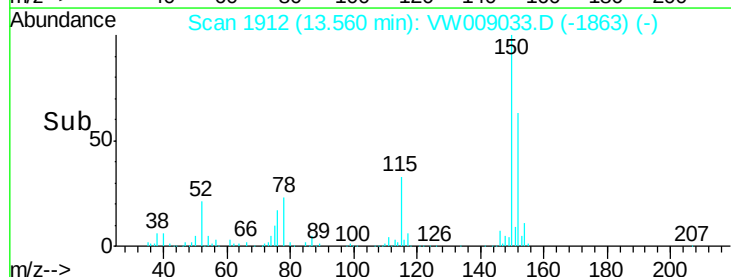
150 162.5 0.0 349.2

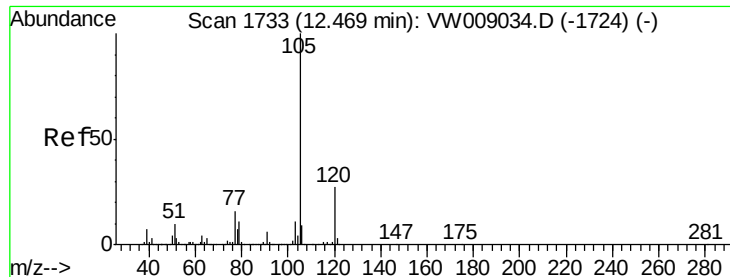


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.698 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 105 Resp: 311319

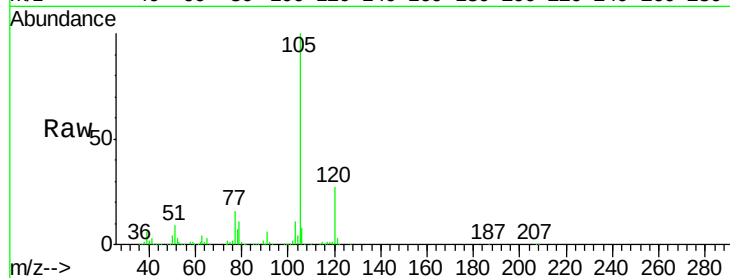
Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

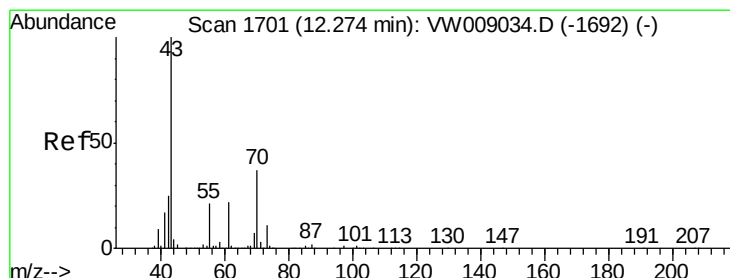
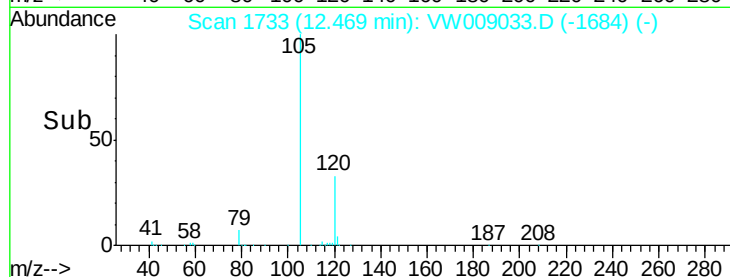
0

12.40

12.47

12.50

Time-->



#74

N-ethyl acetate

Concen: 18.644 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Tgt Ion: 43 Resp: 70435

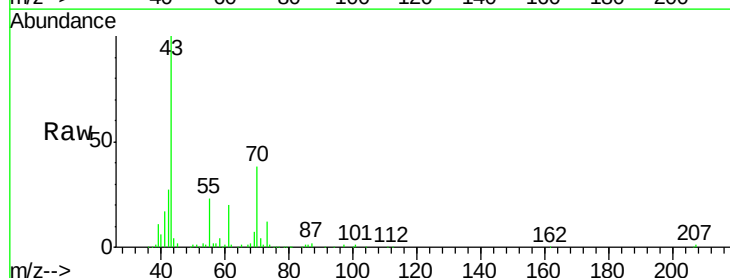
Ion Ratio Lower Upper

43 100

70 38.0 30.8 46.2

55 24.0 17.8 26.8

61 21.5 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

40000

20000

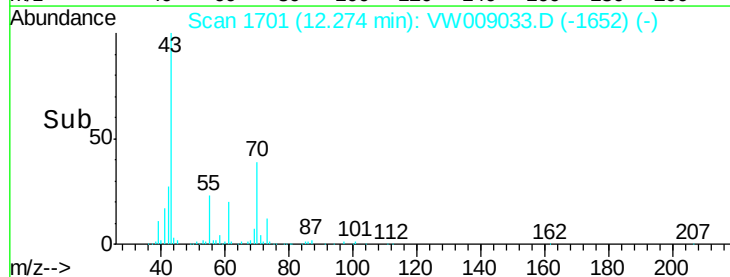
0

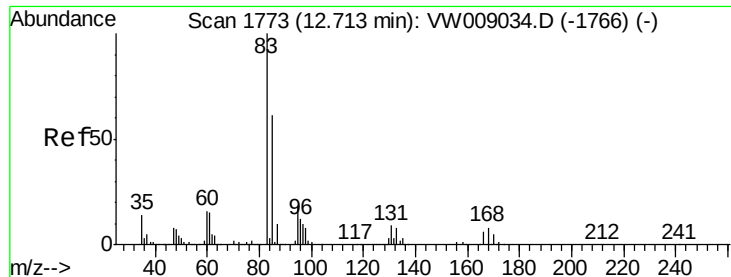
12.20

12.27

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.669 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

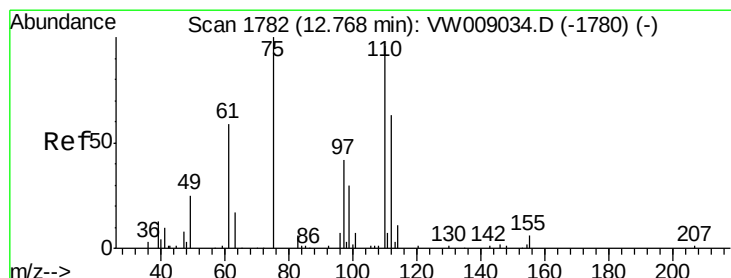
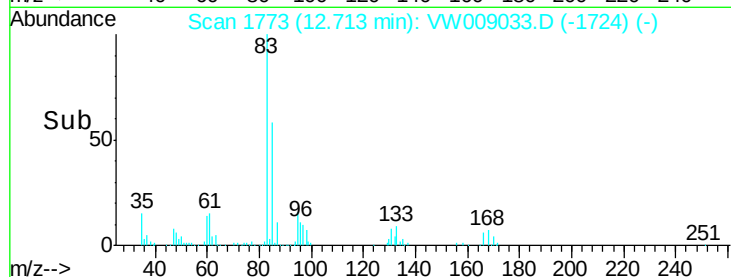
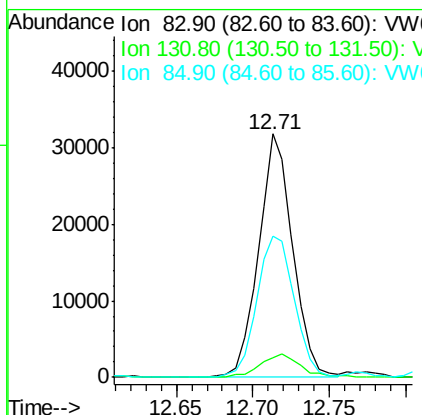
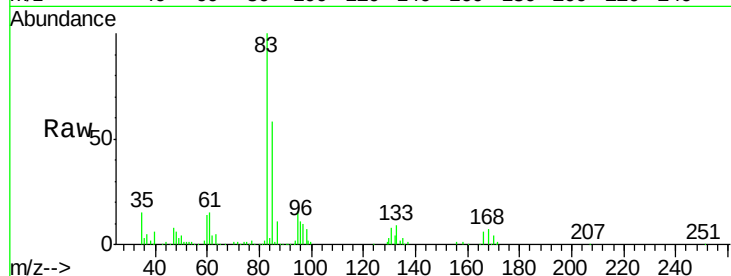
ClientSampled :

VSTDIC020

Tot Ion	83	Resp	49445
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.5	16.7
85	63.4	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 PM



#76

1,2,3-Trichloropropane

Concen: 14.116 ug/l m

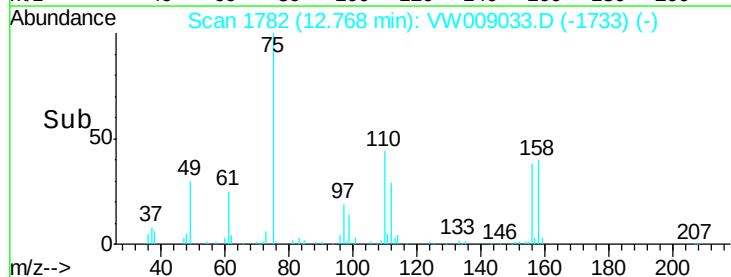
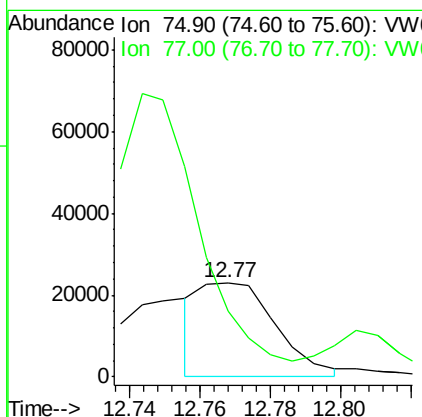
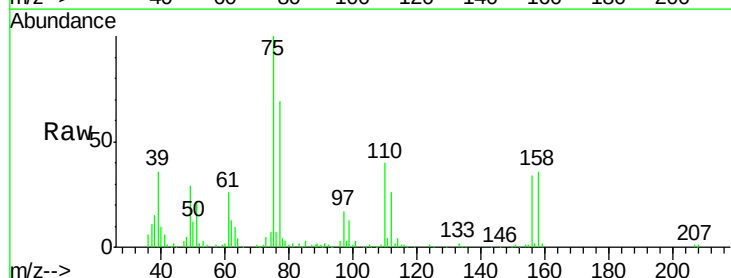
RT: 12.77 min Scan# 1782

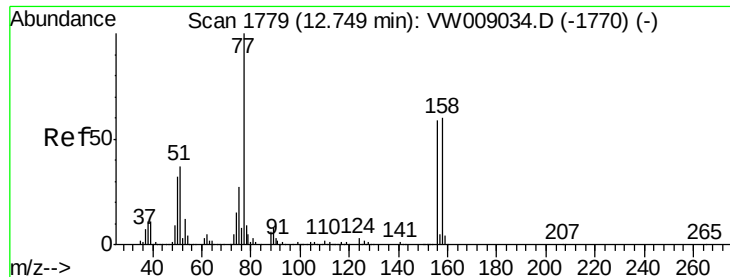
Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Tgt Ion	75	Resp	34959
Ion	Ratio	Lower	Upper
75	100		
77	0.0	186.7	560.0#





#77

Bromobenzene

Concen: 20.159 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

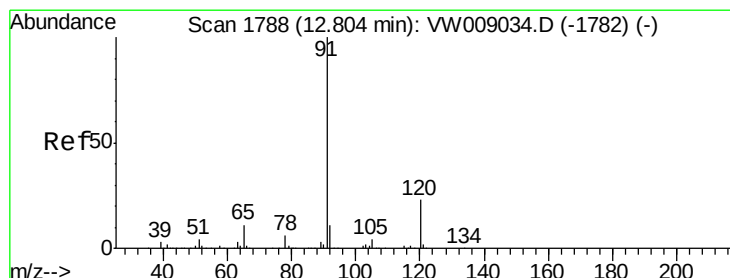
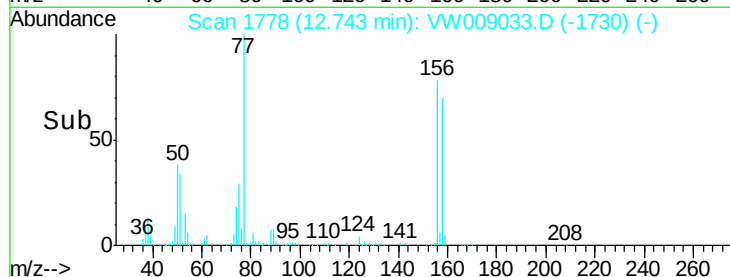
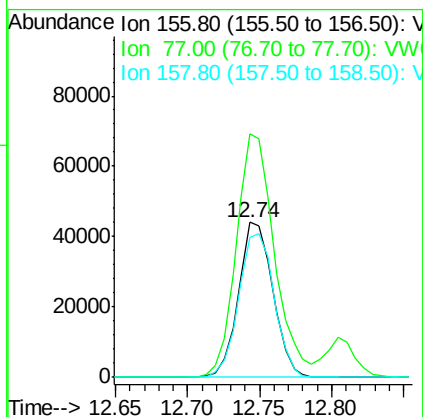
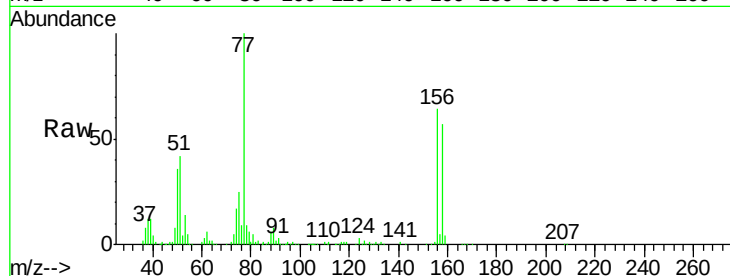
ClientSampled :

VSTDIC020

Tot Ion:	156	Resp:	72852
Ion	Ratio	Lower	Upper
156	100		
77	174.5	93.0	279.2
158	96.0	50.0	149.8

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 PM



#78

n-propylbenzene

Concen: 19.845 ug/l

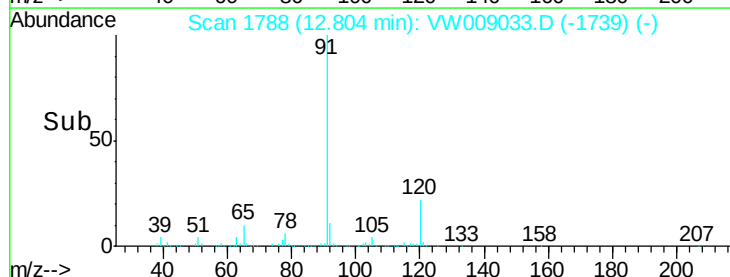
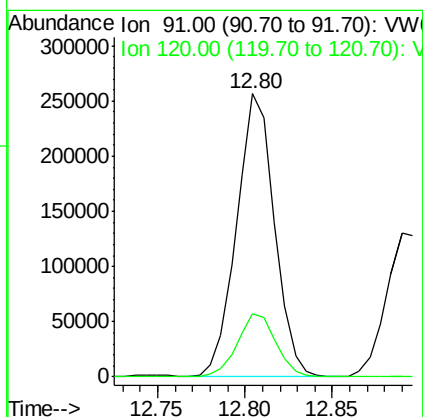
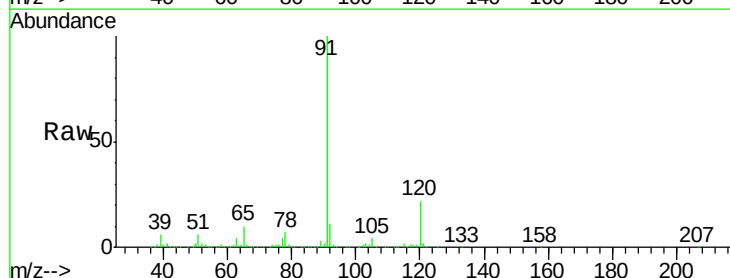
RT: 12.80 min Scan# 1788

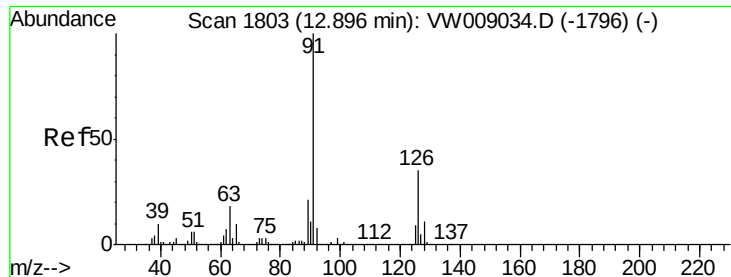
Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Tgt Ion:	91	Resp:	385034
Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.2





#79

2-Chlorotoluene

Concen: 19.664 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 214383

Ion Ratio Lower Upper

91 100

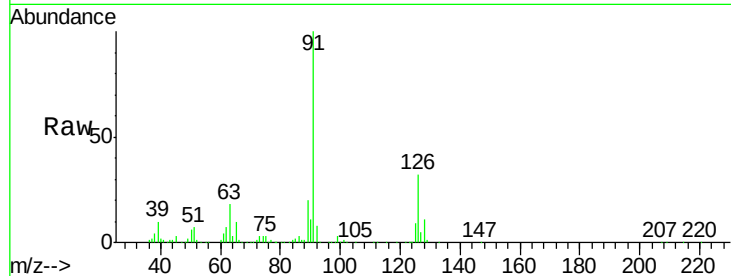
126 34.0 16.8 50.4

Manual Integrations

APPROVED

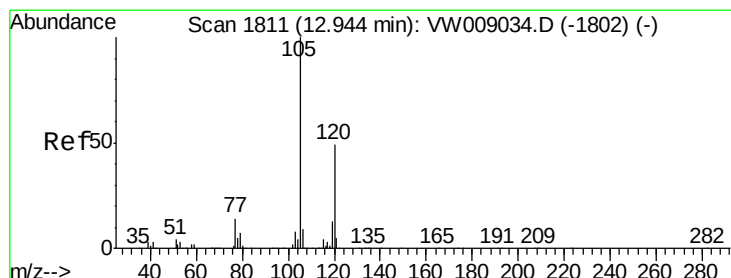
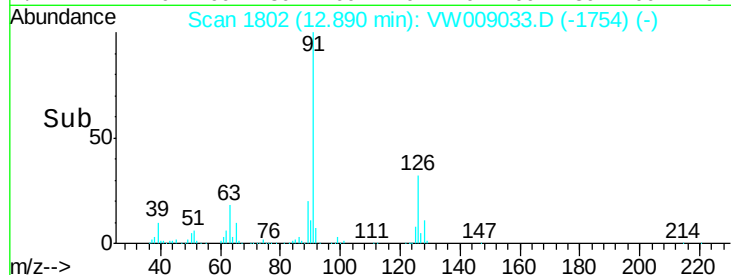
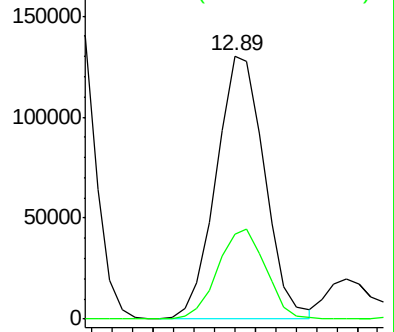
MMDadoda

3/8/2019 12:07:10 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.877 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009033.D

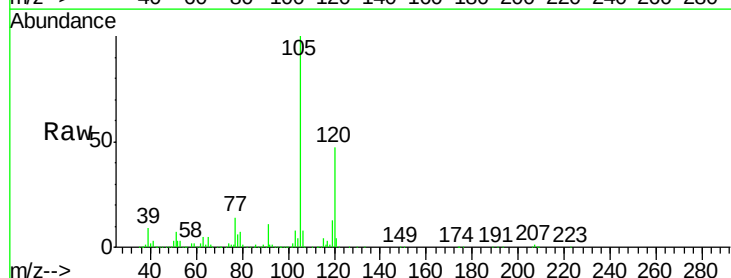
Acq: 07 Mar 2019 11:46

Tgt Ion: 105 Resp: 270745

Ion Ratio Lower Upper

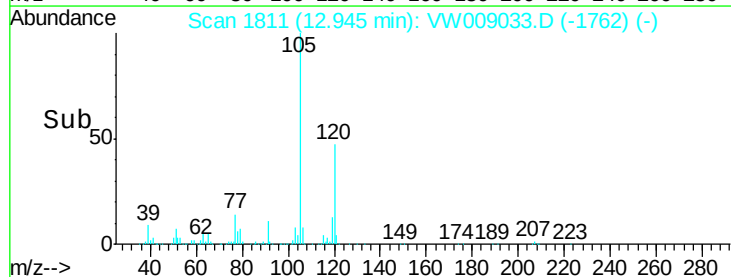
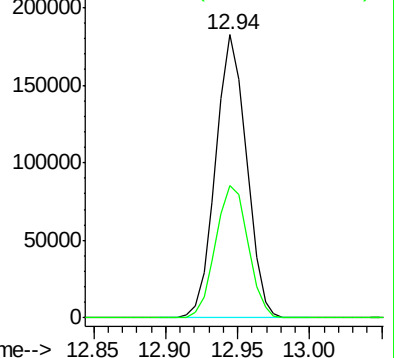
105 100

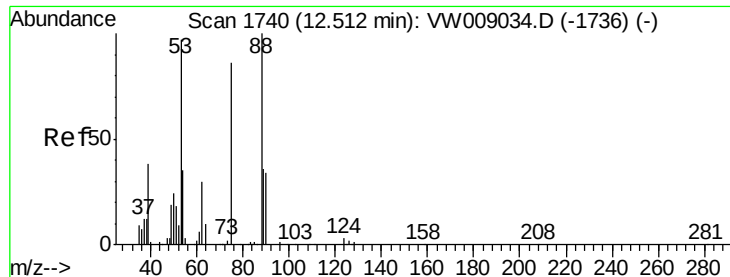
120 49.1 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.754 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

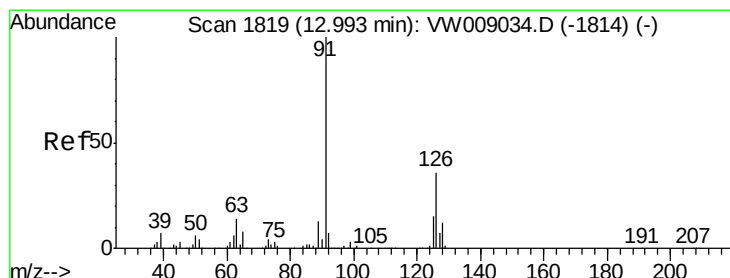
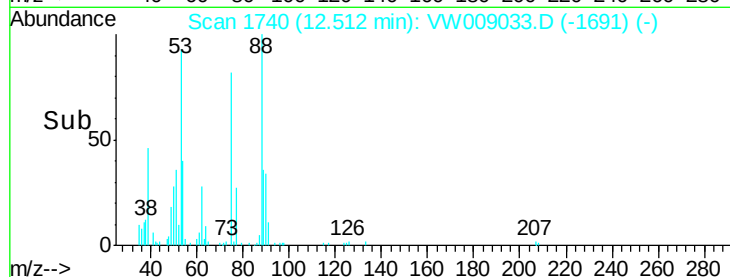
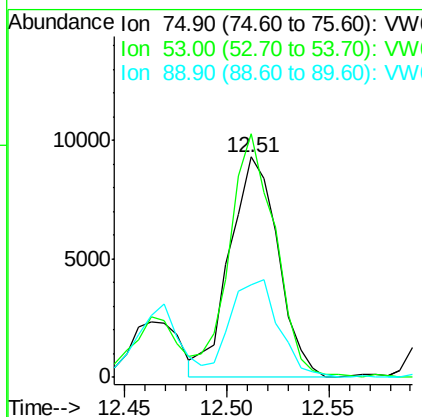
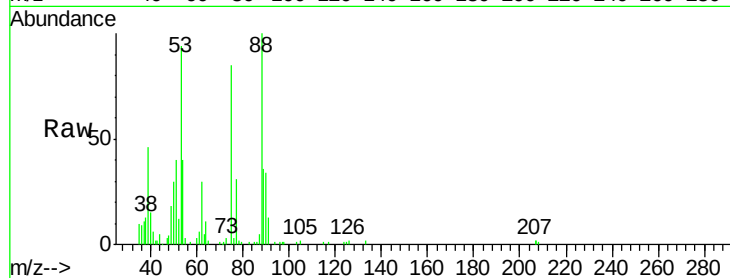
ClientSampled :

VSTDIC020

Tot Ion:	75	Resp:	15400
Ion	Ratio	Lower	Upper
75	100		
53	104.6	90.5	135.7
89	44.6	37.5	56.3

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 PM



#82

4-Chlorotoluene

Concen: 19.738 ug/l

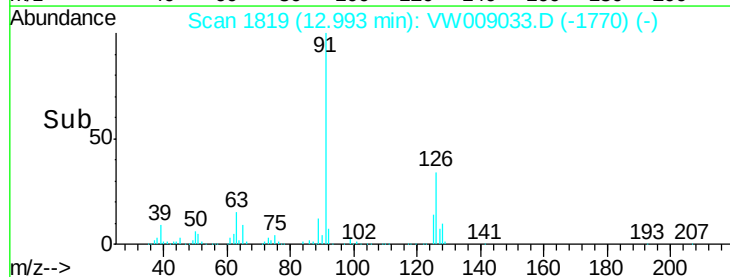
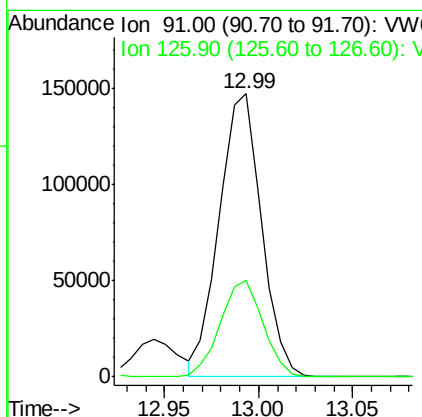
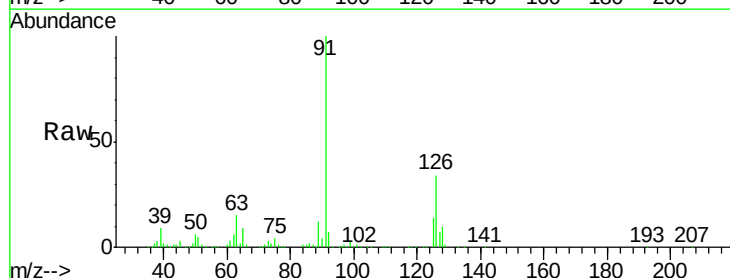
RT: 12.99 min Scan# 1819

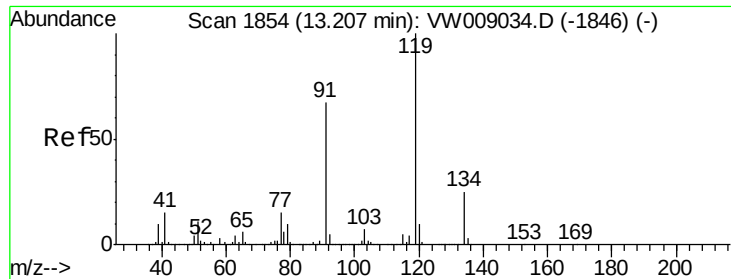
Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Tgt Ion:	91	Resp:	229280
Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.6	49.8





#83

tert-Butylbenzene

Concen: 19.516 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW009033.D

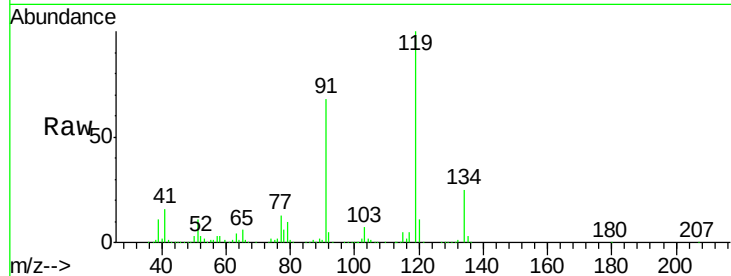
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	223299		
91	69.3		34.2	102.5
134	28.0		13.9	41.6

Manual Integrations
APPROVED

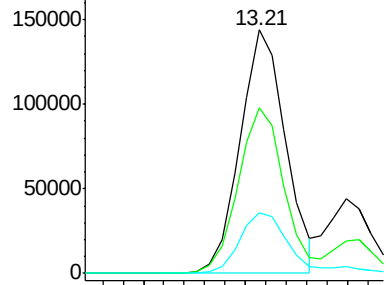
MMDadoda
3/8/2019 12:07:10 PM



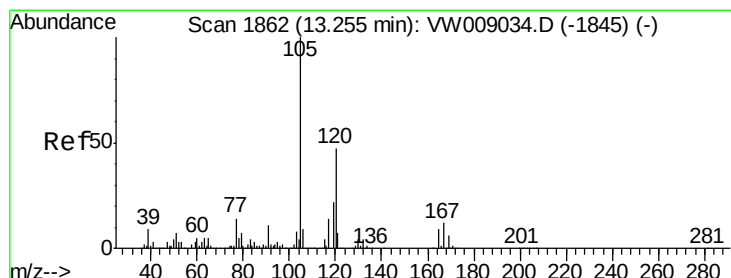
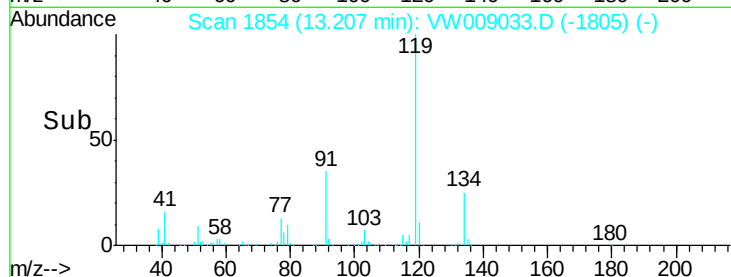
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 19.648 ug/l

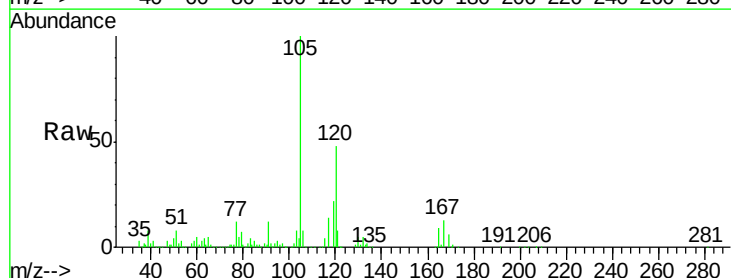
RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW009033.D

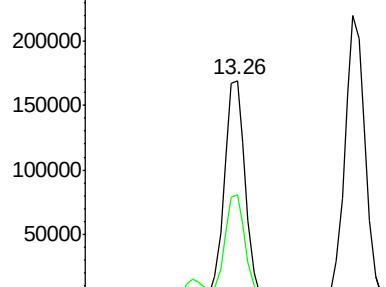
Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	270173		
120	46.6		22.8	68.4

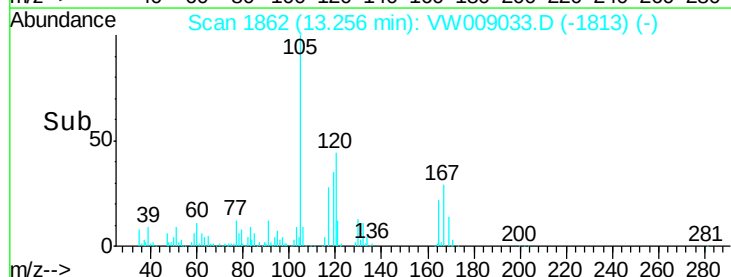


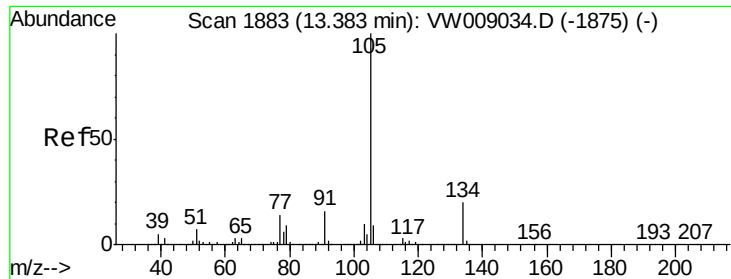
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#85

sec-Butylbenzene

Concen: 19.659 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 333286

Ion Ratio Lower Upper

105 100

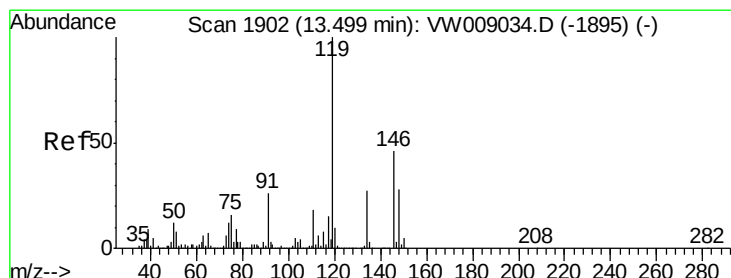
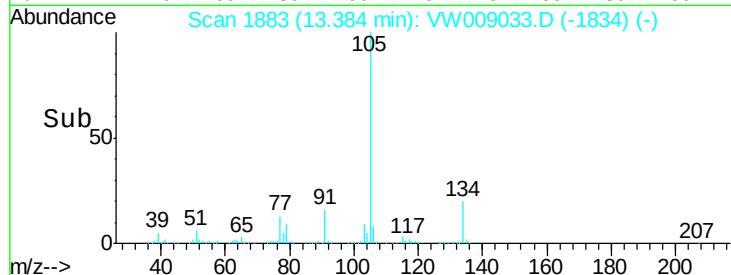
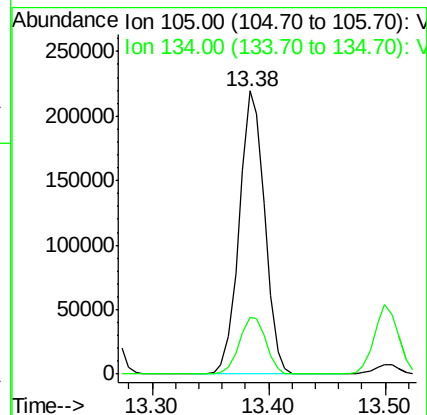
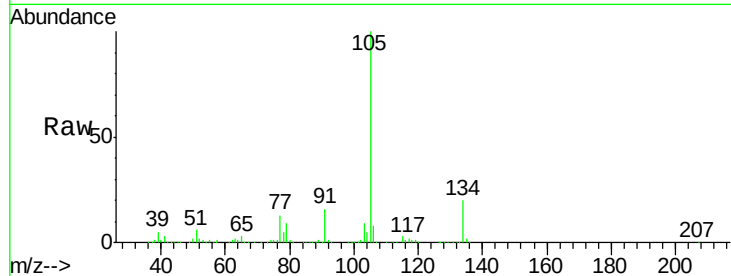
134 21.1 10.0 30.0

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:07:10 PM



#86

p-Isopropyltoluene

Concen: 19.430 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

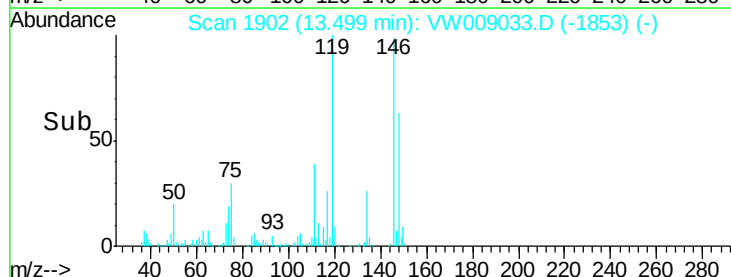
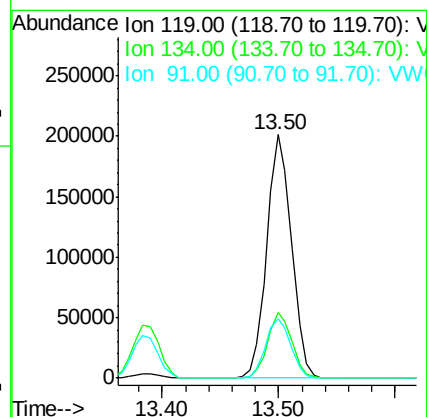
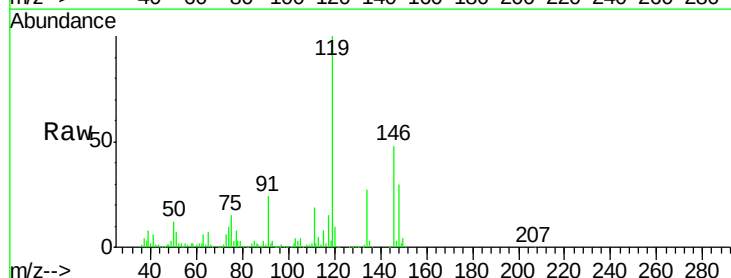
Tgt Ion:119 Resp: 295267

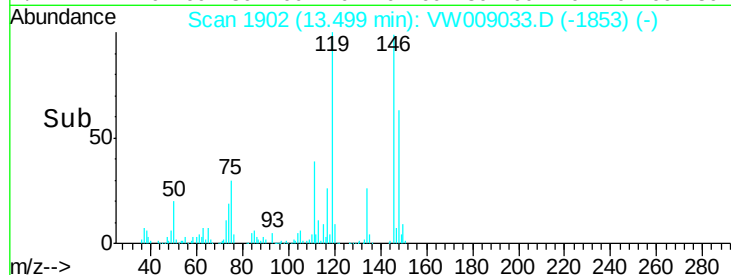
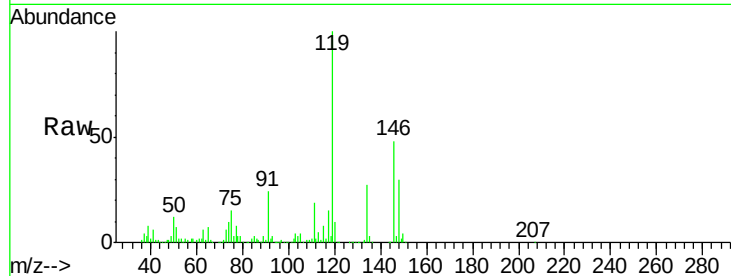
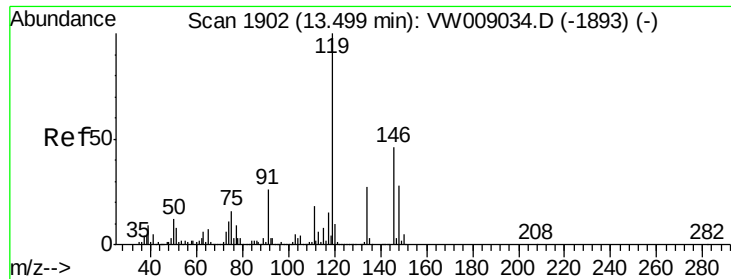
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 25.1 12.3 36.9





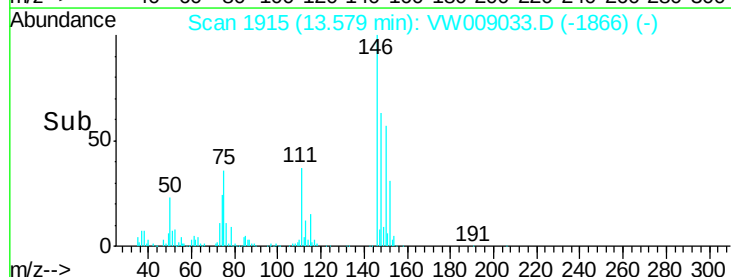
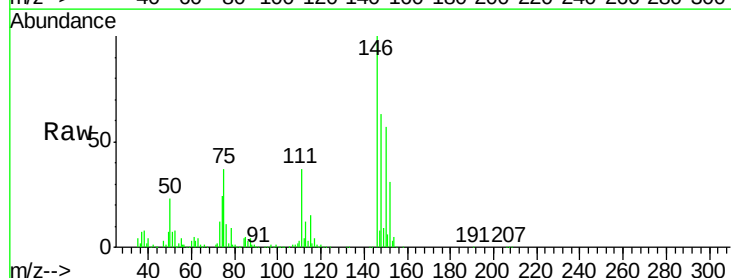
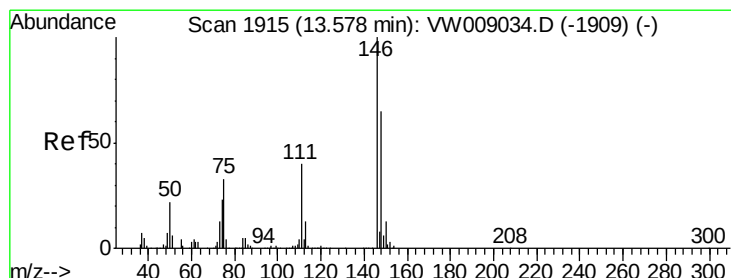
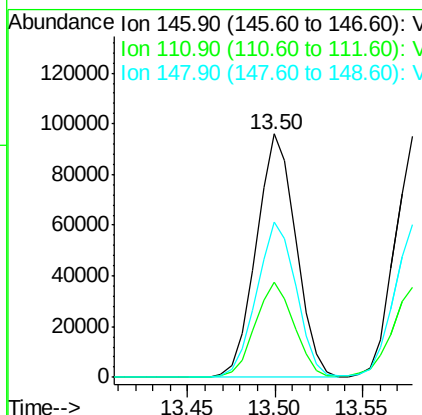
#87
1,3-Dichlorobenzene
Concen: 19.919 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.8	59.4
148	63.8	31.6	94.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

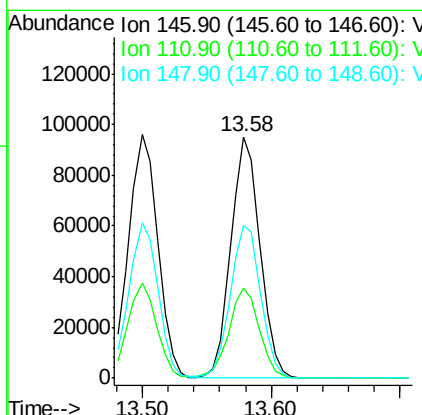
Manual Integrations
APPROVED

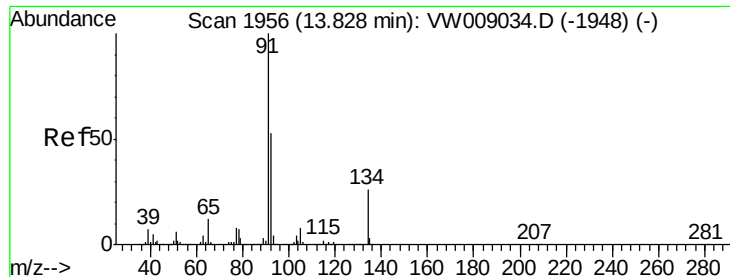
MMDadoda
3/8/2019 12:07:10 PM



#88
1,4-Dichlorobenzene
Concen: 20.048 ug/l
RT: 13.58 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.0
148	65.8	32.2	96.6





#89

n-Butylbenzene

Concen: 19.533 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Instrument :

MSVOA_W

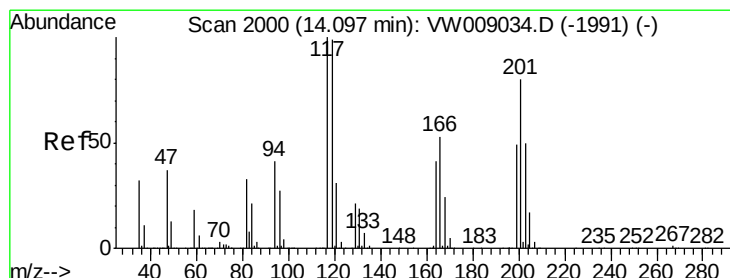
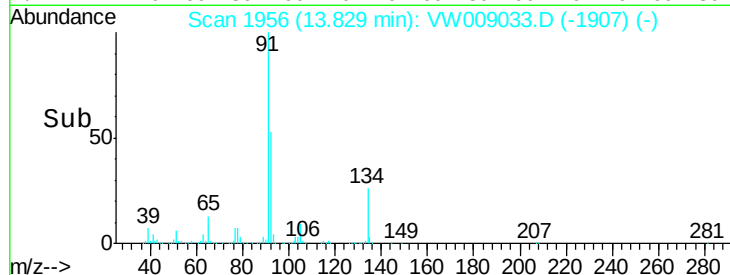
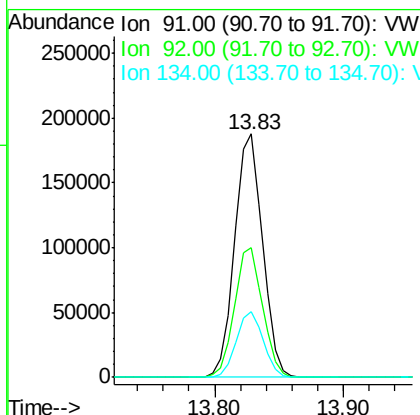
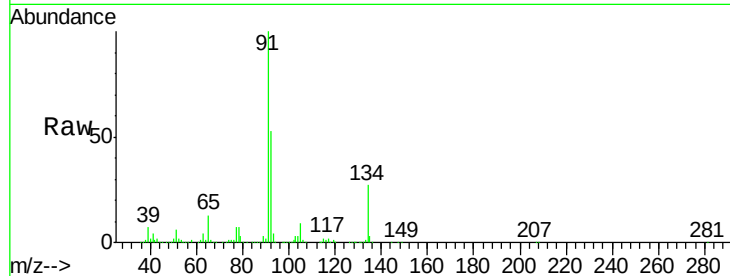
ClientSampled :

VSTDIC020

Tot Ion:	91	Resp:	282985
Ion Ratio	Lower	Upper	
91	100		
92	53.5	26.8	80.3
134	26.4	12.9	38.7

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 PM



#90

Hexachloroethane

Concen: 19.964 ug/l

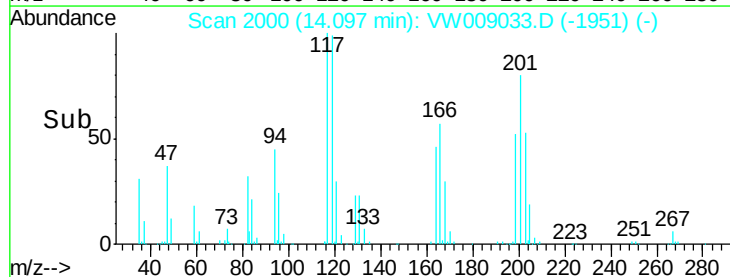
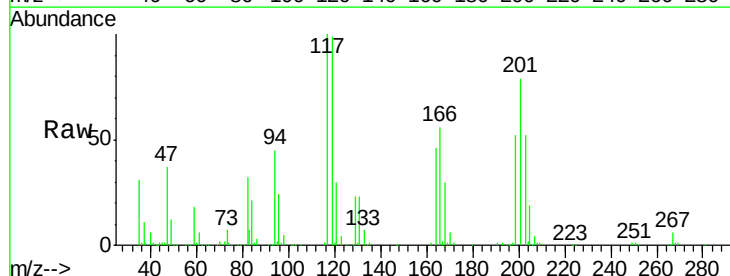
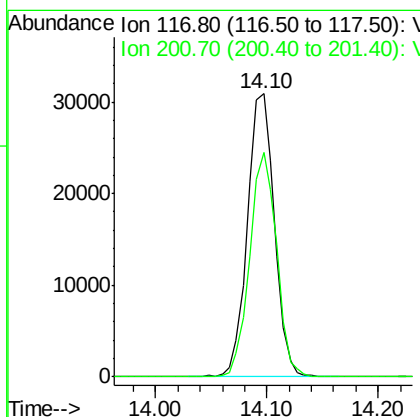
RT: 14.10 min Scan# 2000

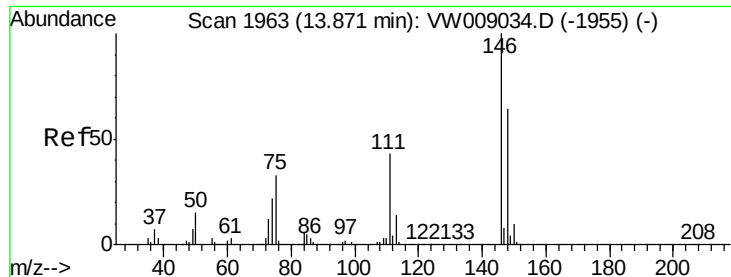
Delta R.T. 0.00 min

Lab File: VW009033.D

Acq: 07 Mar 2019 11:46

Tgt Ion:	117	Resp:	52259
Ion Ratio	Lower	Upper	
117	100		
201	78.7	39.1	117.5





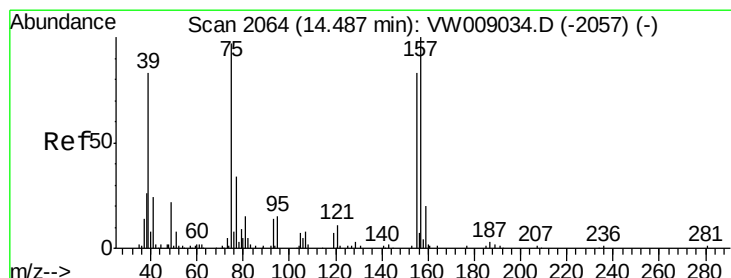
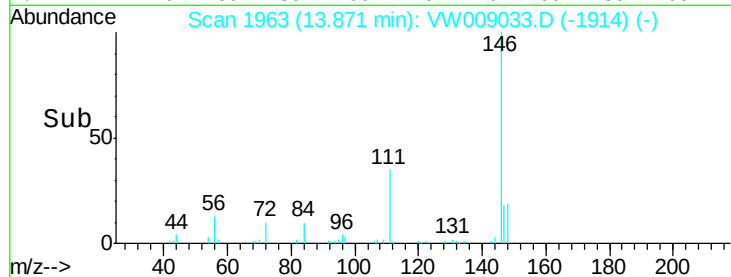
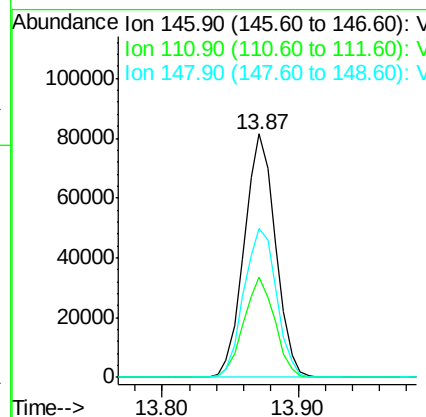
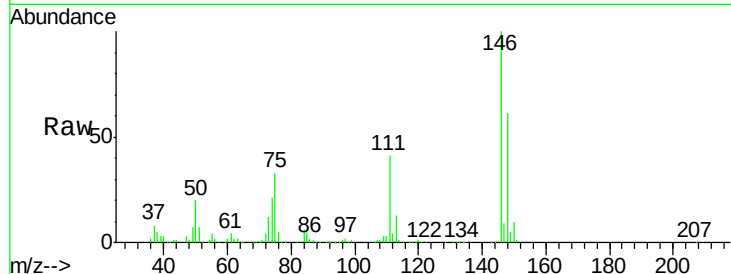
#91
 1,2-Dichlorobenzene
 Concen: 19.764 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.1	63.1
148	63.6	32.3	96.9

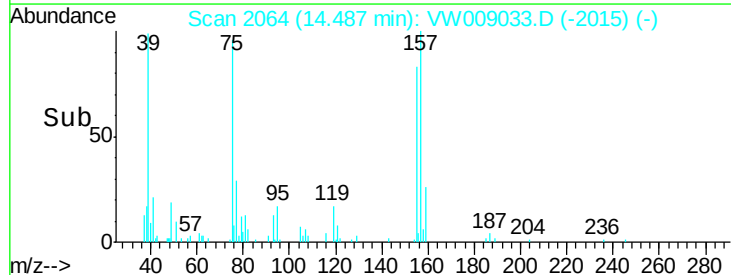
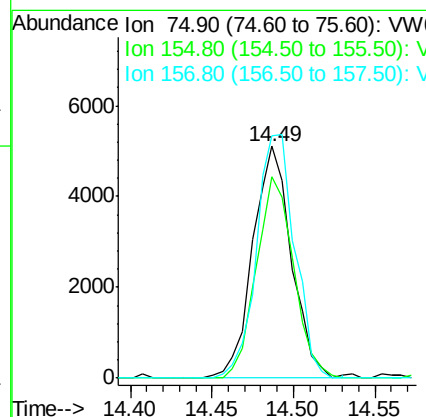
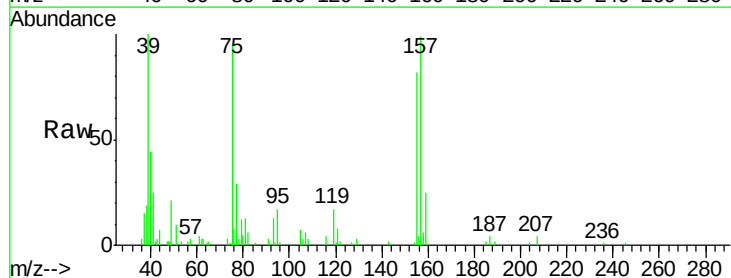
Manual Integrations
 APPROVED

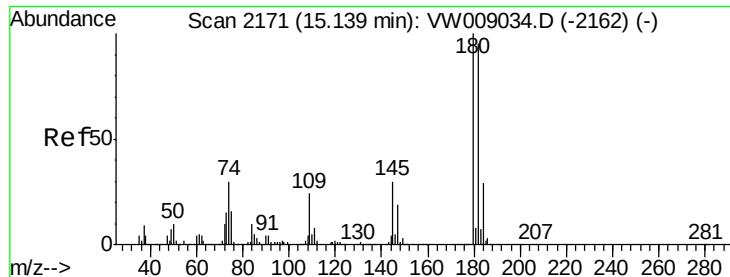
MMDadoda
 3/8/2019 12:07:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.061 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.7	40.8	122.4
157	104.0	52.4	157.3





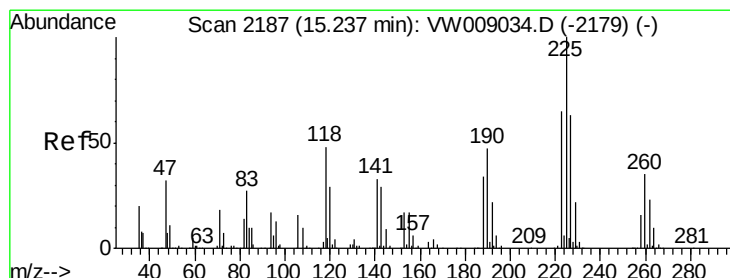
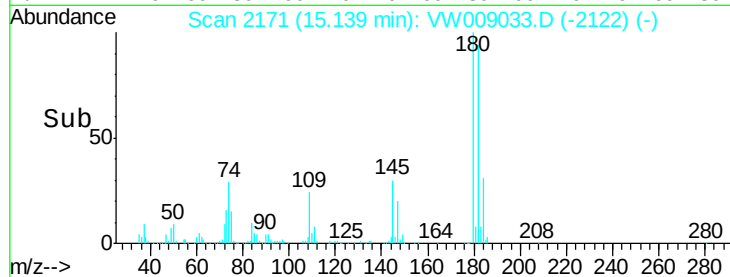
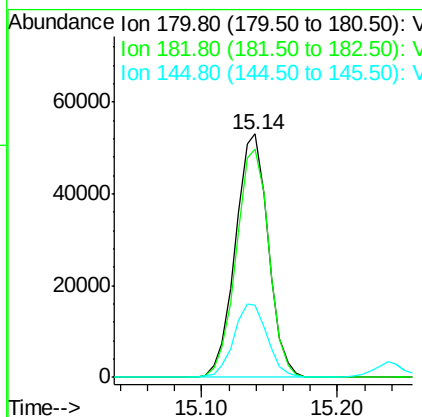
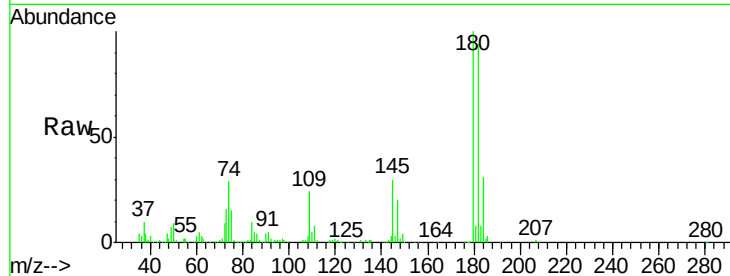
#93
 1,2,4-Trichlorobenzene
 Concen: 19.624 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.7	48.1	144.3	
145	30.8	15.4	46.1	

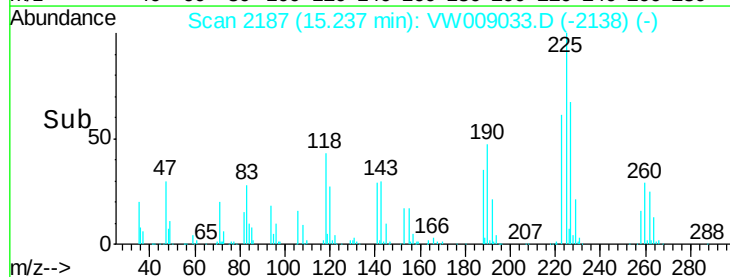
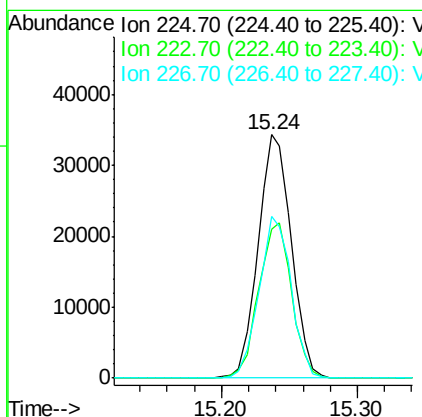
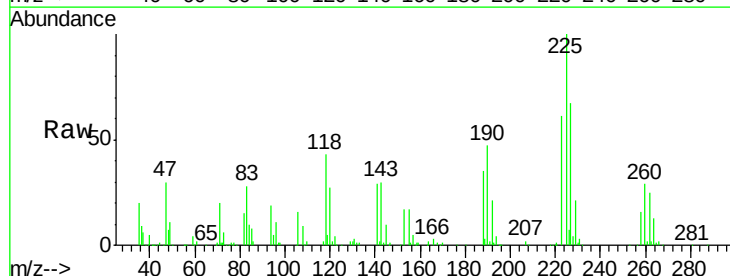
Manual Integrations
 APPROVED

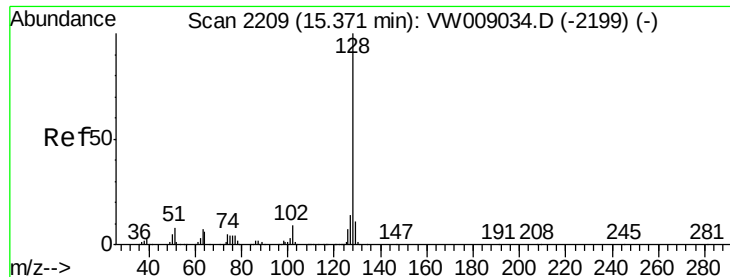
MMDadoda
 3/8/2019 12:07:10 PM



#94
 Hexachlorobutadiene
 Concen: 20.693 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW009033.D
 Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	31.6	94.8	
227	64.3	32.0	96.2	





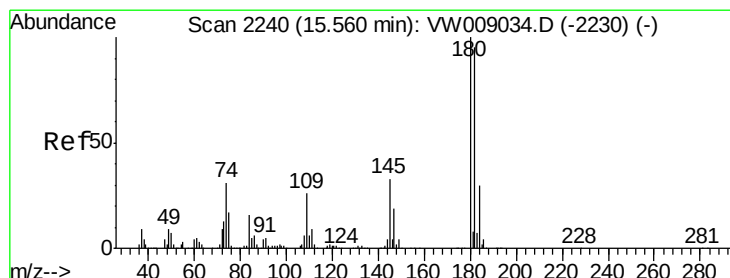
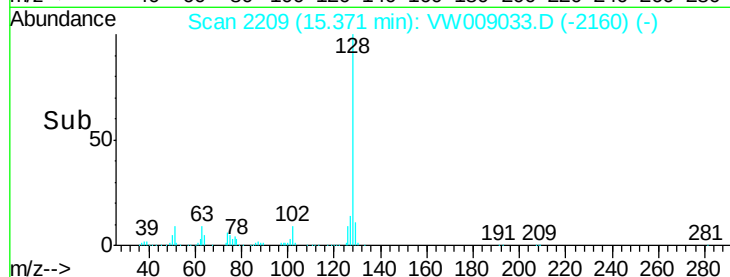
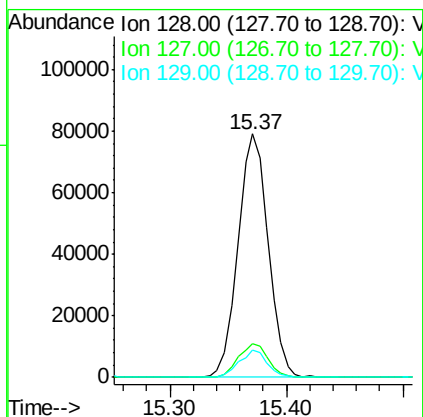
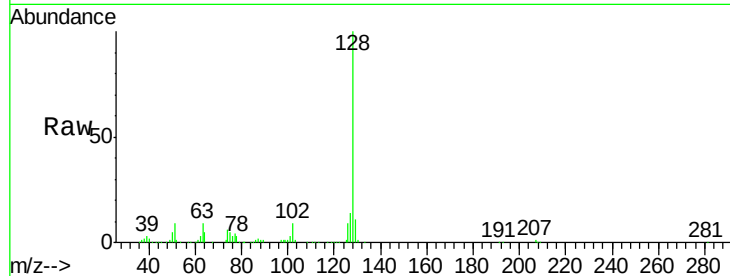
#95
Naphthalene
Concen: 19.006 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.6
129	10.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.490 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009033.D
Acq: 07 Mar 2019 11:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.1	144.3
145	31.9	15.8	47.3

